U.S. DEPARTMENT OF COMMERCE
National Technical Information Service

PB-259 894

Environmental Reports Summaries Volume 4. Europe (Hungary - Yugoslavia) September 1972 through June 1976

Environmental Protection Agency, Washington, D C

1976

REPRODUCED BY
NATIONAL TECHNICAL
INFORMATION SERVICE
U. S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

BIBLIOGRAPHIC DATA SHEET	1. Report No.	2.	3. Recipient's Accession No. PB-259 894
4. Title and Subtitle Environmental Reports Summaries. Volume 4. Europe (Hungary - Yugoslavia). September 1972 through June 1976			5. Report Date 1976 6.
7. Author(s)			8. Performing Organization Rept. No.
9. Performing Organization Name and Address Environmental Protection Agency Washington, D.C.			10. Project/Task/Work Unit No. 11. Contract/Grant No.
12. Sponsoring Organization Name and Address			13. Type of Report & Period Covered 14.

15. Supplementary Notes

See also Volume 3, PB-259 893.

16. Abstracts

The concluding volume in a four volume series of foreign environmental reports contains materials for Hungary, Iceland, Ireland, Italy, Liechtenstein, Luxemburg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, USSR, and Yugoslavia.

17. Key Words and Document Analysis. 17a. Descriptors

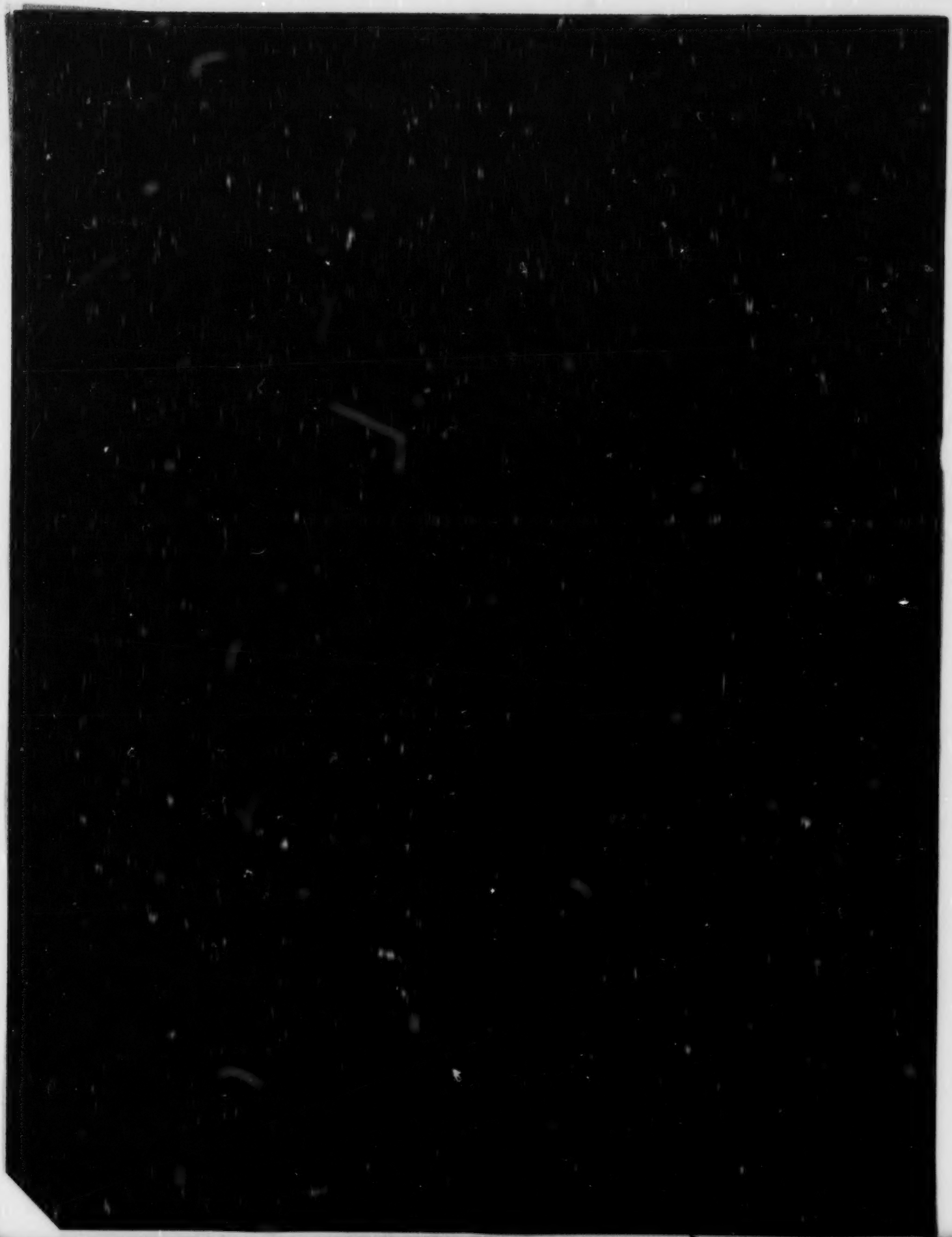
*Environmental surveys,
*Europe,
*Technical reports,

Foreign countries,
Air pollution abatement,
Water pollution abatement,
Organizations,
Projects,
Pesticides,
Land use,
Noise pollution,
Toxicology,
Regulations,
Legislation,
Solid waste disposal,
Radiation,
Summarizing.

17b. Identifiers/Open-Ended Terms

17c. COSATI Field Group 13 B

18. Availability Statement	19. Security Class (This Report)	21. No. of Pages
National Technical Information Service Springfield, Virginia 22161	UNCLASSIFIED	304p
	20. Security Class (This Page) UNCLASSIFIED	22. Price PC A14/MF A01



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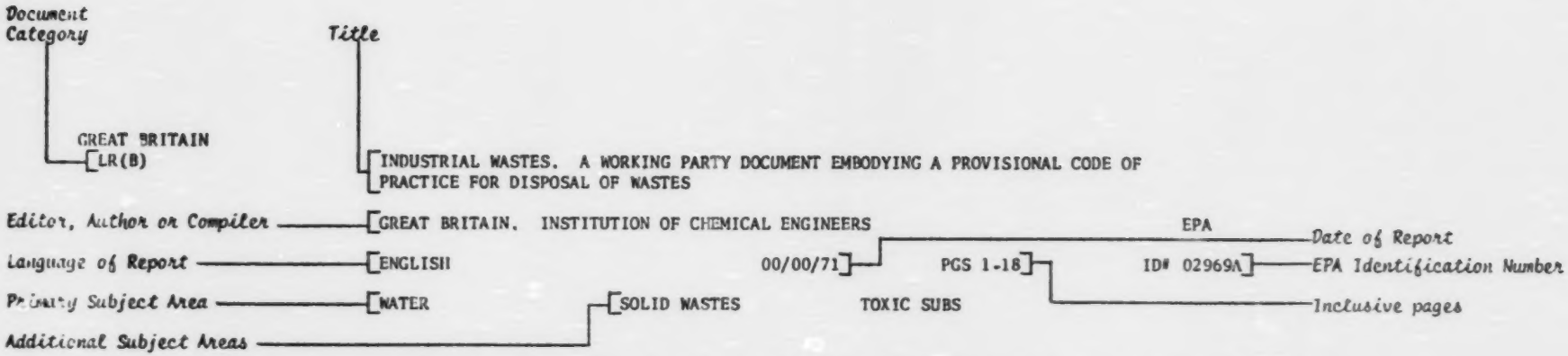
EXPLANATION OF SYMBOLS



Abstract

THIS PUBLICATION, PREPARED BY THE BRITISH INSTITUTION OF CHEMICAL ENGINEERS AT THE SUGGESTION OF THE ROYAL COMMISSION ON ENVIRONMENTAL POLLUTION, PRESENTS A PROVISIONAL CODE OF PRACTICE FOR THE DISPOSAL OF WASTES IN GREAT BRITAIN. AN OVERALL VIEW OF THE PROBLEM OF WASTE DISPOSAL IN GREAT BRITAIN IS GIVEN, INCLUDING COLLECTION AND TRANSPORT, DEPOSIT, PROCESSING AND ADMINISTRATION OF WASTES. BASED ON CURRENT PRACTICES AND EXISTING LEGISLATION APPLICABLE TO WASTE DISPOSAL, THE PUBLICATION DEFINES AND CLASSIFIES WASTES AND FORMULATES A PROVISIONAL CODE OF PRACTICE FOR PRODUCERS, CARRIERS, PROCESSORS AND DEPOSITORS OF WASTES. IT IS EXPECTED THAT NEW DEVELOPMENTS IN WASTE DISPOSAL METHODS AND MORE ADEQUATE WASTE DISPOSAL LAWS WILL RESULT IN FUTURE AMENDMENTS TO THIS CODE, ENDING ITS PRESENT PROVISIONAL NATURE. APPENDIX I TO THE PUBLICATION CONTAINS NOTES ON CLASSIFICATION OF WASTES TAKEN FROM VARIOUS OFFICIAL PUBLICATIONS ON THE HANDLING OF DANGEROUS SUBSTANCES. APPENDIX II CONTAINS SAMPLES OF CERTIFICATES ON WASTE QUALITY AND CONTENT.

PREFACE

Since 1972 the U.S. Environmental Protection Agency has been collecting foreign environmental publications under a series of exchanges with national and international organizations. English language summaries of these and other documents relating to foreign environmental developments appear in the monthly publication "Summaries of Foreign Government Environmental Reports," which is available in the EPA Regional and Laboratory Libraries and may also be obtained from NTIS on a subscription basis. The present report contains a selection of summaries which have appeared in the monthly publication to date.

Structure of Report

This report is issued in four volumes. Volume 1 covers Africa, Asia and Australia; Volume 2 North America and South America; Volume 3 Europe (Albania to Greece); and Volume 4 Europe (Hungary to Yugoslavia). Under each continent heading summaries are listed by country arranged in alphabetical order. Within each country breakdown summaries are grouped in the following categories:

legal/legislative/regulatory:	LR(A) - texts of laws and regulations
	LR(B) - commentary on legislation, implementation of laws and regulations
planning/management/organization:	PM(A) - national control organization activities
	PM(B) - activities in specific program areas
socioeconomic:	SE
scientific and technical:	ST

Under these categories, summaries are grouped according to the following subject areas: General, Air, Land Use, Noise, Pesticides, Radiation, Solid Waste, Toxic Substances, Water. A subject index, utilizing these topics, appears at the back of each volume.

Availability of Documents

EPA staff may request the original documents, located in the EPA Headquarters Library in Washington, D.C., by using the order form in back. The documents are not loaned outside the Agency, but others may use them at the Headquarters Library.

Translations

EPA staff may also request more extensive abstracts or full text translations. Translation services are expensive and should be requested only when essential. They may be ordered by directing EPA Form 1350-1 (Translation Services Requisition) to the Library Systems Branch. Payment is made by the requesting office.

EUR
HUNGARY
LR(A)

"JANUARY 9, 1973 ORDINANCE NO. 1 OF THE COUNCIL OF MINISTERS ON THE PROTECTION OF THE PURITY OF THE AIR." INT. DIG. OF HLTH. LEG., V. 25, NO. 2
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/74 PGS 326-328 ID# 02320A
AIR

THIS ORDINANCE PRESCRIBES ESTABLISHMENT OF GROUND LEVEL AIR QUALITY CRITERIA FOR CERTAIN POLLUTANTS. THE COUNTRY IS DIVIDED INTO THREE CATEGORIES: (1) SPECIALLY PROTECTED ZONES WHERE MAINTENANCE OF AIR PURITY IS PARTICULARLY VITAL (FOR HEALTH, WELFARE, PROTECTION OF NATURE, ETC.), (2) PROTECTED ZONES (THE CENTER OF THE CAPITAL OR CITIES), (3) OTHER ZONES DEMANDING PROTECTIVE MEASURES (INDUSTRIAL AREAS). MEASURES REQUIRED TO LIMIT AIR POLLUTION ARE DESIGNATED. CERTAIN ACTIVITIES MAY BE RESTRICTED UNDER EMERGENCY METEOROLOGICAL CONDITIONS. STATE AIR QUALITY STANDARDS ARE TO BE ISSUED BY THE MINISTER OF CONSTRUCTION AND TOWN PLANNING, THE HUNGARIAN STANDARDS BUREAU, OR THE MINISTER OF COMMUNICATIONS AND POSTS. THE MINISTER OF CONSTRUCTION AND TOWN PLANNING IS TO ORGANIZE AND DIRECT AIR PROTECTION MEASURES. HE IS ADVISED BY THE NATIONAL COMMISSION FOR THE PROTECTION OF THE PURITY OF THE AIR. CERTAIN AIR QUALITY CRITERIA ARE GIVEN IN THE ORDINANCE ANNEX. THE ORDINANCE APPEARS IN MAGYAR KOZLONY, NO. 2 (JAN. 9, 1973), PP. 18-24.

HUNGARY
LR(A)

"APRIL 18, 1973 ORDINANCE NO. 2 OF THE MINISTER OF CONSTRUCTION AND TOWN PLANNING ON THE PROTECTION OF THE PURITY OF THE AIR." INT. DIG. OF HLTH. LEG., V. 25, NO. 2
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/74 PGS 328 ID# 023208
AIR

THIS ORDINANCE IS ISSUED PURSUANT TO ORDINANCE NO. 1 OF THE COUNCIL OF MINISTERS FOR THE PROTECTION OF THE PURITY OF THE AIR (JANUARY 9, 1973). IT PROHIBITS ESTABLISHMENT OF UNDERTAKINGS, SUCH AS FACTORIES OR WORKSHOPS, WHICH WOULD CAUSE HARMFUL AIR POLLUTION IN ANY ZONES DESIGNATED AS SPECIALLY PROTECTED AND SPECIFIES THAT ONLY WOOD, COKE, GAS AND HYDROCARBONS WITH NOT MORE THAN 1 PERCENT SULFUR CONTENT MAY BE USED AS FUELS IN THESE ZONES. THE ABOVE FUELS AND COAL OR HYDROCARBONS WITH NOT MORE THAN 3 PERCENT SULFUR CONTENT MAY BE USED IN AREAS CLASSIFIED AS PROTECTED. RAW MATERIALS, INFLAMMABLE MATERIALS AND WASTE MATTER MUST BE STORED SO AS TO PREVENT THE FORMATION OF LOOSE DUST. HIGHLY POLLUTING INDUSTRIAL WASTES OR WASTES THAT CAUSE OFFENSIVE ODORS AND PACKAGING CONTAMINATED BY SUCH WASTES MAY ONLY BE BURNED IN SPECIAL INCINERATORS. COAL WITH A HIGH DUST CONTENT MUST BE BURNED IN SPECIAL INSTALLATIONS EQUIPPED WITH SEPARATORS DESIGNED FOR THIS PURPOSE. THE ORDINANCE APPEARS IN MAGYAR KOZLONY, NO. 28, APRIL 18, 1973, PP. 350-352.

EUR
HUNGARY
LR(A)

"MAY 16, 1972 ORDINANCE, NO. 6 ... FOR THE IMPLEMENTATION OF GOVERNMENT ORDINANCE NO. 13 ON THE STATE PUBLIC HEALTH AND EPIDEMIOLOGICAL ... SERVICE." INT DIG OF HLTH LEG
EPA
ENGLISH 00/00/73 PGS 805-808 ID# 01972A
GENERAL

THE GENERAL PROVISIONS OF THIS ORDINANCE ASSIGN TO THE AGENCIES OF THE STATE PUBLIC HEALTH AND EPIDEMIOLOGICAL SUPERVISORY SERVICE RESPONSIBILITY FOR OVERSEEING INSTRUCTIONS DESIGNED TO PREVENT OR ABATE SANITARY EPDIMIOLOGICAL HAZARDS AND OF TAKING NECESSARY MEASURES TO ACHIEVE THIS END. AMONG THESE MEASURES ARE THOSE TO BE TAKEN FOR THE PROTECTION OF THE SOIL AND AIR AGAINST POLLUTION AND FOR THE PRESERVATION OF CLEAN WATERS; THOSE DEALING WITH NOISE AND OTHER ENVIRONMENTAL NUISANCES AND WITH RADIATION-EMITTING SUBSTANCES; AND MEASURES TO PROTECT AGRICULTURAL PRODUCTS CONTAMINATION. THE SERVICE IS DIRECTED, ADMINISTERED AND CONTROLLED BY THE CHIEF STATE SANITARY AND EPIDEMIOLOGICAL INSPECTOR, WHOSE FUNCTIONS ARE TO PROPOSE SOLUTION S OF PROBLEMS TO THE MINISTER OF HEALTH, TO INSTITUTE DISCIPLINARY PROCEEDINGS, TO CORRELATE THE WORK OF THE SUBORDINATE AGENCIES, TO MAKE DECISIONS ON TECHNICAL MATTERS, AND TO INTERVENE IN ALL CASES LEGALLY WITHIN HIS JURISDICTION. (MAGYAR KOZLONY, MAY 16, 1972)

HUNGARY
LR(A)

"SEPTEMBER 4, 1974 RESOLUTION NO. 1064 ON THE ESTABLISHMENT OF A NATIONAL ENVIRONMENTAL PROTECTION COUNCIL." MAGYAR KOZLONY, NO. 62
EPA
HUNGARIAN 09/04/74 PGS 736-38 ID# 02493B
GENERAL

THIS RESOLUTION PROVIDES FOR THE ESTABLISHMENT, BY THE COUNCIL OF MINISTERS, OF A NATIONAL ENVIRONMENTAL PROTECTION COUNCIL FOR THE COORDINATION, CONTROL AND INCREASED EFFECTIVENESS OF ENVIRONMENTALLY RELATED GOVERNMENT ACTIVITIES. A LIST OF THE COUNCIL'S MEMBERSHIP IS INCLUDED, ALONG WITH DETAILS ON TASKS TO BE PERFORMED BY THE COUNCIL, INCLUDING: FORMULATION OF ENVIRONMENTAL OBJECTIVES, COORDINATION OF INDEPENDENT MINISTERIAL ACTIVITIES, AND MONITORING THE WORK OF NATIONAL ENVIRONMENTAL ORGANS.

HUNGARY
LR(A)

"JULY 11, 1949 DECREE NO. 167.529/1949 (153) . . . PROHIBITING THE SALE OF CERTAIN PREPARATIONS CONTAINING DDT." INT. DIG. OF HLTH. LEG., V. 3
WORLD HEALTH ORGANIZATION, COMP.
EPA
ENGLISH 00/00/52 PGS 176 ID# 01087A
PESTICIDES

THIS DECREE, ISSUED BY THE MINISTER OF WELFARE, PROHIBITS THE SALE OF OIL-BOUND PREPARATIONS CONTAINING DDT (DICHLORO-DIPHENYL-TRICHLORETHANE) OR ITS COMPOUNDS, EVEN ON THE PRESENTATION OF A PHYSICIAN'S PRESCRIPTION. THE DECREE ALSO SETS PENALTIES FOR NON-COMPLIANCE. THE OFFICIAL HUNGARIAN TEXT APPEARS IN NEPEGESZSEGUGY, OCT.-NOV. 1950, V. 30, NOS. 14-15, P. 633-634.

EUR
HUNGARY
LR(A)

"NOVEMBER 5, 1957 DECREE NO. 4 . . ON THE MARKETING AND USE OF POISONS. . ."
INT. DIG. OF HLTH. LEG.. V. 10
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/59 PGS 306-317 ID# 01088A
PESTICIDES

THIS DECREE, ISSUED BY THE MINISTER OF HEALTH, IMPLEMENTS THE DEC. 20, 1953 DECREE NO. 62 OF THE COUNCIL OF MINISTERS ON THE MARKETING AND USE OF POISONS AND THE NOV. 5, 1957 DECREE OF THE GOVERNMENT THAT GIVES FORCE TO THE 1953 DECREE. THIS DECREE SETS FORTH IN LISTS 1 AND 2 THE POISONOUS SUBSTANCES AND PREPARATIONS SUBJECT TO REGULATION. (ALTHOUGH THIS DECREE DOES NOT REGULATE AGRICULTURAL PEST CONTROL PRODUCTS WITH TOXIC EFFECTS, ENUMERATED SUBSTANCES ARE CITED IN SUBSEQUENT DECREES THAT DO CONTROL AGRICULTURAL PESTICIDES.) THE DECREE STATES, HOWEVER, THAT REGULATIONS RELATING TO THE PURCHASE AND USE OF AGRICULTURAL PEST CONTROL PRODUCTS SHALL BE LAID DOWN IN SPECIAL ORDERS OF THE MINISTER OF AGRICULTURE, MADE IN AGREEMENT WITH THE MINISTER OF HEALTH. THE OFFICIAL HUNGARIAN TEXT OF THIS DECREE APPEARS IN TORVENYEK ES RENDELETEK HIVATALES GYUJTEMENYE, 1957, P. 632-636.

HUNGARY
LR(A)

"DECEMBER 23, 1959 DECREE NO. 7 ON THE DISTRIBUTION AND USE OF INSECTICIDES, RODENTICIDES AND REPELLANTS." INT. DIG. OF HLTH. LEG.. V. 12
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/61 PGS 397-400 ID# 010888
PESTICIDES

THIS DECREE STATES THE CONDITIONS OF USE OF PESTICIDES DEEMED TO BE POISONOUS UNDER THE PROVISIONS OF THE POISONS LIST NO. 1 AND 2 OF THE NOV. 5, 1957 DECREE NO. 4. THE DECREE REQUIRES THAT PESTICIDAL OPERATIONS BE CARRIED OUT ONLY BY QUALIFIED PERSONNEL, THAT THE OPERATIONS BE PERFORMED IN A MANNER NOT INVOLVING RISKS FOR MAN OR DOMESTIC ANIMAL, THAT EMERGENCY MEDICAL KITS BE KEPT AVAILABLE DURING THESE OPERATIONS, AND THAT LARGE-SCALE OPERATIONS INVOLVING SOLID OR LIQUID POISONS NOT TAKE PLACE IN FOOD-HANDLING AND COMMERCIAL ESTABLISHMENTS OR IN SHOPS AND WAREHOUSES. IT FURTHER PROVIDES THAT HIGHLY ACTIVE PESTICIDES ARE TO BE DISTRIBUTED IN SEALED CONTAINERS, SOLD ONLY BY SHOPS DESIGNATED BY THE MINISTER OF INTERNAL TRADE, AND THEN SOLD ONLY TO AUTHORIZED GROUPS. PESTICIDES NOT PRESENTING ANY RISK TO MAN OR DOMESTIC ANIMAL MAY BE SOLD WITHOUT RESTRICTION FOR THE PURPOSE OF DOMESTIC EXTERMINATION. ANNEXES LIST SUBSTANCES DECLARED TO BE TOXIC HIGHLY TOXIC, AND THOSE NOT CONSIDERED HARMFUL. THE TEXT APPEARS IN TORVENYEK 1959, 1960, P. 701.

EUR
HUNGARY
LR(A)

"AUGUST 3, 1966 JOINT ORDER NO. 1 . . . RESTRICTION ON THE USE OF CERTAIN CHEMICAL SUBSTANCES FOR THE PURPOSE OF WATER PROTECTION." INT. DIG. OF HTLH. LEG., V. 18
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/67 PGS 629-630 ID# 01088C
PESTICIDES WATER

THIS ORDER, ISSUED JOINTLY BY THE MINISTER OF AGRICULTURE AND THE MINISTER OF HEALTH, RESTRICTS THE USE OF CERTAIN CHEMICAL SUBSTANCES IN ORDER TO PRESERVE WATER QUALITY. IT BANS THE DISCHARGE OF PESTICIDES, UNUSED RESIDUES OR WASTES, ON PACKAGES CONTAMINATED BY PESTICIDES INTO STAGNANT WATER, RIVERS, WATERCOURSES, OR RESERVOIRS. STATE ENTERPRISES OR MAJOR AGRICULTURAL CONCERNS MAY UTILIZE PESTICIDES WITHIN 200 METERS OF THE BANKS OF WATER BODIES ONLY AFTER A LICENSE HAS BEEN GRANTED BY A COMPETENT STATE AUTHORITY. PESTICIDES, RODENTICIDIES, AND INSECTICIDES MAY BE USED ON THE TERRITORY OF MAJOR ENTERPRISES ONLY UNDER THE SUPERVISION OF QUALIFIED PERSONNEL. AN ANNEX LISTS SUBSTANCES COVERED BY THIS ORDER. THE OFFICIAL HUNGARIAN TEXT OF THE ORDER APPEARS IN MAGYAR KOZLONY, AUG. 3, 1966, P. 497-498.

HUNGARY
LR(A)

"MAY 7, 1964 DECREE NO. 10 RELATING TO RADIOACTIVE SUBSTANCES AND PREPARATIONS."
INT. DIG. OF HLTH. LEG., V. 16.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/65 PGS 330-334 ID# 01089A
RADIATION

THIS DECREE GOVERNS THE PRODUCTION, HOLDING, AND TRANSPORT OF RAW, ENRICHED OR PURIFIED MATERIALS COMPOSED OF NATURAL ISOTOPES CONTAINING URANIUM OR THORIUM. IT REQUIRES THE LICENSING OF ACTIVITIES INVOLVING THE PRODUCTION, USE, AND TRANSPORT OF RADIOACTIVE SUBSTANCES SUBJECT TO THE PROVISIONS OF THIS DECREE. LICENSES MAY NOT BE GRANTED UNTIL APPROPRIATE SAFETY MEASURES HAVE BEEN TAKEN TO PREVENT IRRADIATION HAZARDS TO PERSONS, WORK-PLACES, AND THE ENVIRONMENT. SAFETY REQUIREMENTS APPLY EQUALLY TO THE DISPOSAL OF RADIOACTIVE WASTES. THE DECREE ALSO ESTABLISHES THE NATIONAL ATOMIC ENERGY COMMISSION (NAEC) TO DIRECT, COORDINATE, AND CONTROL ACTIVITIES FOR THE PEACEFUL USE OF ATOMIC ENERGY; IT ALSO SERVES AS AN ADVISORY BODY OF THE COUNCIL OF MINISTERS. THE DECREE COVERS THE REGISTRATION OF SUBSTANCES; INSPECTION OF STOCKS AND OBSERVATION OF SAFETY PRECAUTIONS, COMPENSATION FOR DAMAGE, AND PENALTIES. THE MINISTER OF HEALTH IS RESPONSIBLE FOR CARRYING OUT THE DECREE.

EUR
HUNGARY
LR(A)

"MAY 7, 1964 ORDER NO. 1 . . . TO IMPLEMENT DECREE NO. 10 OF MAY 7, 1964 RELATING TO RADIOACTIVE SUBSTANCES AND PREPARATIONS." INT. DIG. OF HLTH. LEG., V. 16
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/65 PGS 334-345 ID# 010898
RADIATION

THIS ORDER, ISSUED BY THE MINISTER OF HEALTH, DETAILS THE IMPLEMENTATION OF THE PROVISIONS OF THE MAY 7, 1964 DECREE NO. 10 ON RADIOACTIVE SUBSTANCES AND PREPARATIONS. IT COVERS PRODUCTION LICENSES AND USE AND TRANSPORTATION PERMITS; THE DISTRIBUTION OF THESE SUBSTANCES WITHIN THE COUNTRY AND THEIR IMPORTATION AND EXPORTATION; GENERAL SAFETY RULES INVOLVING THE QUALIFICATIONS AND PROTECTION OF WORKERS; AND SPECIAL SAFETY RULES DEALING WITH PLANT PROCEDURES; AND RADIOACTIVE WASTES. THE ORDER ALSO CONTAINS SAFETY PROVISIONS APPLICABLE TO THE SHIPPING OF RADIOACTIVE SUBSTANCES, THE MAINTENANCE OF REGISTERS, AND HEALTH INSPECTIONS. THE ANNEXES LIST MAXIMUM PERMISSIBLE RADIOCATIVITY VALUES, DATA REQUIRED TO BE ENTERED ON LICENSE APPLICATIONS; THE FREQUENCY OF MEDICAL EXAMINATIONS, DECONTAMINATION OPERATIONS, AND SAMPLES OF FORMS. THE OFFICIAL HUNGARIAN TEXT APPEARS IN MAGYAR KOZLONY, MAY 7, 1964, P. 191-204.

HUNGARY
LR(A)

"FEBRUARY 21, 1965 ORDER NO. 1. . . . TO AMEND THE MAY 7, 1964 ORDER NO. 1 IMPLEMENTING THE MAY 7, 1964 DECREE NO. 10." INT. DIG. OF HLTH. LEG., V. 18
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/67 PGS 136 ID# 01089C
RADIATION

THIS ORDER BY THE MINISTER OF HEALTH TO AMEND ORDER NO. 1 (MAY 7, 1964) IMPLEMENTING THE MAY 7, 1964 GOVERNMENT DECREE NO. 10 RELATING TO RADIOACTIVE SUBSTANCES AND PREPARATIONS, DEAL WITH LICENSES FOR THE USE OF RADIOACTIVE SUBSTANCES. IT PROVIDES THAT THE USE OR HOLDING OF RADIOACTIVE SUBSTANCES AND PREPARATIONS FOR SCIENTIFIC, SANITARY, INDUSTRIAL OR AGRICULTURAL PURPOSES SHALL BE SUBJECT TO LICENSING BY THE MINISTRY OF HEALTH IN THE CASE OF TYPE A RADIOISOTOPE LABORATORIES OR BY THE COMPETENT SANITARY AND EPIDEMIOLOGICAL POST IN THE CASE OF TYPE B AND C LABORATORIES. THE OFFICIAL HUNGARIAN TEXT APPEARS IN MAGYAR KOZLONY, FEB. 21, 1965, P. 144.

HUNGARY
LR(A)

"1965 DIRECTIVE NO. 8 OF THE MINISTER OF HEALTH TO IMPLEMENT CERTAIN PROVISIONS RELATING TO RADIOACTIVE SUBSTANCES." INT. DIG. OF HLTH. LEG., V. 18
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/67 PGS 616-618 ID# 01089D
RADIATION

THIS DIRECTIVE BY THE MINISTRY OF HEALTH IMPLEMENTS CERTAIN PROVISIONS OF THE MAY 7, 1964 ORDER NO. 1. SPECIFICALLY, IT ASSIGNS TO THE COMPETENT SANITARY AND EPIDEMIOLOGICAL POST CERTAIN RESPONSIBILITIES IN REGARD TO THE DESIGNATION OF LOCATION OF B AND C TYPE ISOTOPE LABORATORIES AND ESTABLISHMENTS USING X-RAYS THE LICENSING, NOTIFICATION OF THE MINISTRY OF THE INTERIOR AND OTHER AGENCIES IN THE EVENT OF RADIOACTIVE CONTAMINATION, AND THE MAINTAINING OF RECORDS OF FACILITIES HOLDING LICENSES. TO ELIMINATE THE HARMFUL EFFECTS OF RADIATION, THE SANITARY AND EPIDEMIOLOGICAL POST MAY PLACE SUSPECTED VICTIMS OF RADIATION UNDER MEDICAL OBSERVATION AND DECONTAMINATE OR DESTROY AFFECTED PREMISES. THE OFFICIAL HUNGARIAN TEXT OF THIS DIRECTIVE APPEARS IN EGESZSEGUGYI KOZLONY, MARCH 3, 1965, P. 35-39.

EUR
HUNGARY
LR(A)

"DECEMBER 7, 1965 ORDER NO. 4 . . . CONCERNING THE MONITORING OF RADIATION DOSES RECEIVED BY WORKERS . . . EXPOSED TO A RADIATION HAZARD." INT. DIG. OF HLTH. LEG., V. 18
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/67 PGS 137-138 ID# 01089E
RADIATION

THIS ORDER, DEALING WITH THE MONITORING OF RADIATION DOSES RECEIVED BY WORKERS EMPLOYED IN WORK-PLACES EXPOSED TO A RADIATION HAZARD, REQUIRES WORKERS SO ENGAGED TO UNDERGO SYSTEMATIC SURVEILLANCE BY MEANS OF FILM DOSIMETRY. THE DOSIMETRIC CONTROL IS TO BE PERFORMED BY THE NATIONAL FREDERIC JULIOT-CURIE INSTITUTE OF RESEARCH ON RADIATION BIOLOGY AND HYGIENE. THE ORDER DETAILS THE PROCEDURES FOR THE DOSIMETRIC MONITORING. THE OFFICIAL HUNGARIAN TEXT APPEARS IN MAGYAR KOZLONY, DEC. 7, 1965, P. 610-611.

HUNGARY
LR(A)

"JANUARY 6, 1967 ORDER NO. 1 . . . AMENDING THE MAY 7, 1964 ORDER NO. 1 . . .
TO IMPLEMENT THE MAY 7, 1964 GOVERNMENT DECREE NO. 10. . ." INT. DIG. OF HLTH. LEG., V. 20
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/69 PGS 108 ID# 01089F
RADIATION

THIS ORDER, ISSUED BY THE MINISTER OF HEALTH TO AMEND THE MAY 7, 1964 ORDER NO. 1 (ALSO PROMULGATED BY THE MINISTER OF HEALTH) IMPLEMENTING GOVERNMENT DECREE NO. 10 (MAY 7, 1964) ON RADIOACTIVE SUBSTANCES AND PREPARATIONS, DEALS WITH THE SPECIAL TRAINING PREREQUISITES FOR EMPLOYMENT IN ACTIVITIES CITED IN THE LICENSES GRANTED FOR THE PRODUCTION, USE, OR TRANSPORT OF RADIOACTIVE SUBSTANCES. THE HUNGARIAN TEXT OF THIS ORDER APPEARS IN MAGYAR KOZLONY, JAN. 6, 1967, P. 50.

HUNGARY
LR(A)

"APRIL 26, 1970 ORDER NO. 5 . . . TO AMEND THE MAY 7, 1964 ORDER NO. 1 . . . FOR
THE IMPLEMENTATION OF GOVERNMENT DECREE NO. 10. . ." INT. DIG. OF HLTH. LEG., V. 22
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/71 PGS 294 ID# 01089G
RADIATION

THIS ORDER, ISSUED BY THE MINISTER OF HEALTH TO AMEND THE MAY 7, 1964 ORDER NO. 1 (ALSO ISSUED BY THE MINISTER OF HEALTH) FOR THE IMPLEMENTATION OF GOVERNMENT DECREE NO. 10 (MAY 7, 1964) RELATING TO RADIOACTIVE SUBSTANCES AND PREPARATIONS, DEALS WITH THE DISTRIBUTION AND CONTROL OF THESE MATERIALS. SPECIFICALLY, IT STIPULATES THAT THE APPROPRIATE PROVISIONS ON THE DISTRIBUTION AND CONTROL OF RADIOACTIVE MEDICAMENTS SHALL BE PRESCRIBED BY THE MINISTER OF HEALTH IN AGREEMENT WITH OTHER CONCERNED MINISTERS. THE OFFICIAL HUNGARIAN TEXT OF THIS ORDER APPEARS IN MAGYAR KOZLONY, APRIL 26, 1970, P. 307-308.

EUR
HUNGARY
LR(A)

"1970 DIRECTIVE NO. 19. . . EMBODYING CERTAIN PROVISIONS CONCERNING THE PRODUCTION OF, QUALITY REQUIREMENTS FOR. . . RADIOACTIVE MEDICAMENTS." INT. DIG. OF HLTH. LEG. WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/71 PGS 294-298 ID# 01089H
RADIATION

THIS DIRECTIVE, PROMULGATED BY THE MINISTER OF HEALTH PURSUANT TO THE MAY 7, 1964 GOVERNMENT DECREE NO. 10 RELATING TO RADIOACTIVE SUBSTANCES AND PREPARATIONS, EMBODIES CERTAIN PROVISIONS CONCERNING THE PRODUCTION OF, QUALITY REQUIREMENTS FOR, AND DISTRIBUTION OF RADIOACTIVE MEDICAMENTS. SPECIFICALLY, IT SUBJECTS THE PRODUCTION, DISTRIBUTION AND CONTROL OF THESE MEDICAMENTS TO THE PROVISIONS OF DECREE NO. 10 AND THE TRANSPORT OF THESE SAME MEDICAMENTS TO THE PROVISIONS OF THE MAY 7, 1964 ORDER NO. 1 AND THE 1965 DIRECTIVE NO. 8, BOTH ISSUED BY THE MINISTER OF HEALTH. THE OFFICIAL HUNGARIAN TEXT APPEARS IN EGESZSEGUGYI KCZLONY, MAY 18, 1970, P. 175-179.

HUNGARY
LR(A)

"MARCH 23, 1963 ORDER NO. 1 OF THE MINISTER OF COMMUNICATIONS AND POSTAL SERVICE CONCERNING THE POLLUTION OF WATERS BY SHIPS." INT. DIG. OF HLTH. LEG., V. 15
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/64 PGS 781-782 ID# 01090A
WATER

THIS ORDER, PROMULGATED FOLLOWING CONCURRENCE IN THE TEXT BY THE MINISTRY OF HEALTH, BANS THE DISCHARGE FROM FLOATING SHIPS, BOATS OR ENGINES INTO RIVERS, STREAMS, LAKES AND CANALS OF WATERS POLLUTED BY MINERAL OILS, LUBRICANTS, OR OTHER PETROLEUM PRODUCTS OR POISONOUS SUBSTANCES, SUCH AS REFUSE, WASTE OF VEGETABLE OR ANIMAL ORIGIN, OR RADIOACTIVE CONTAMINATED SUBSTANCES. IT FURTHER STIPULATES THAT THE LOADING OR UNLOADING OF MINERAL OILS ABOARD SHIPS MUST BE CARRIED OUT WITH THE ASSISTANCE OF A DEVICE TO PREVENT THE DISCHARGE OF POLLUTANTS INTO ADJACENT WATERS. THE OFFICIAL HUNGARIAN TEXT OF THIS ORDER APPEARS IN MAGYAR KOZLONY, MARCH 23, 1963, P. 102.

HUNGARY
LR(A)

"JAN 23, 1966 GOVERNMENT DECREE NO. 5 CONCERNING HARMFUL POLLUTION OF WATERS AND THE FINES APPLICABLE TO THE DISCHARGE OF EFFLUENTS." INT. DIG. OF HLTH. LEG., V. 18.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/67 PGS 138-141 ID# 01091A
WATER RADIATION

THIS DECREE SETS THE MAXIMUM PERMISSIBLE VALUES OF WATER CONTAMINATION. THE AUTHORITY RESPONSIBLE FOR THE EXPLOITATION OF A GIVEN WATER BODY MAY ESTABLISH DIFFERENT VALUES IF THE EFFLUENT TREATMENT FACILITY WAS INSTALLED PRIOR TO THE EFFECTIVE DATE OF THIS DECREE. VALUES ARE TO BE SET, HOWEVER, IN CONFORMITY WITH INSTRUCTIONS ISSUED BY THE CHIEF NATIONAL DIRECTORATE FOR WATER (CNDW), WITH ACCOUNT TAKEN OF THE ADVICE OF THE SCIENTIFIC RESEARCH INSTITUTE FOR THE USE OF WATERS AND OF RESULTS OF ACTUAL OR TRIAL PERFORMANCE OF TREATMENT PLANTS. THE CNDW DIRECTOR IN CONCERT WITH THE MINISTER OF HEALTH IS RESPONSIBLE FOR DETERMINING THE MAXIMUM PERMISSIBLE VALUES FOR THE RADIOACTIVE CONTAMINATION OF WATERS. THE DECREE ALSO PROVIDES FOR FINES IN THE EVENT OF VIOLATION OF ITS PROVISIONS. THE ANNEX LISTS TYPES OF POLLUTANTS AND POLLUTION AND THEIR RESPECTIVE MAXIMUM VALUES. THE OFFICIAL HUNGARIAN-LANGUAGE TEXT OF THIS DECREE APPEARS IN MAGYAR KOZLONY, JAN. 23, 1966, P. 50-53.

EUR
HUNGARY
PM(A)

"AIR AND WATER POLLUTION CONTROL IN HUNGARY." NUISANCES ET ENVIRONNEMENT. NO. 29.

FRENCH 04/00/74 PGS 17, 19 EPA ID# 02129A
ALSO LRB
AIR WATER

THIS ARTICLE REPORTS ON SOME MEASURES THAT HUNGARY HAS TAKEN TO CONTROL THE AIR AND WATER POLLUTION CAUSED BY INCREASING INDUSTRIALIZATION, ESPECIALLY IN AREAS SUCH AS BUDAPEST. FOR EXAMPLE, INDUSTRIES WHICH VIOLATE THE 1964 WATER PROTECTION LAW REQUIRING PLANTS WHICH DISCHARGE POLLUTED WATER TO HAVE ADEQUATE TREATMENT PLANTS ARE SUBJECT TO PROGRESSIVE FINES. THIS METHOD HAS BEEN EFFECTIVE IN STOPPING POLLUTION IN MANY CASES. IN THE FIELD OF AIR POLLUTION, A 1971 GOVERNMENTAL DECREE DIVIDES FACTORIES INTO FOUR CATEGORIES, AND AN ENVIRONMENTAL TAX IS LEVIED ACCORDING TO THESE CATEGORIES. THE HEAVIEST POLLUTERS PAYING MOST. FINES FOR NONCOMPLIANCE WITH ANTIPOLLUTION STANDARDS, FOR WHICH THE GRACE PERIOD EXPIRES AT THE END OF 1974, WILL BE PUT INTO A NATIONAL ATMOSPHERIC PROTECTION FUND TO PAY FOR ENVIRONMENTAL PROJECTS. ECONOMISTS ESTIMATE THAT 1 TO 3 PERCENT OF HUNGARY'S GNP MUST BE DEVOTED TO POLLUTION CONTROL IN THE NEXT FEW DECADES AND THAT ENVIRONMENTAL DAMAGES CURRENTLY EQUAL 4 PERCENT OF THE NATIONAL REVENUE.

ICELAND
LR(A)

(DECEMBER 31, 1968) ACT NO. 85 RELATING TO TOXIC AND HAZARDOUS SUBSTANCES

ENGLISH 00/00/69 PGS 1-11 EPA ID# 01727A
PESTICIDES

THIS ACT, PRESENTED IN ENGLISH TRANSLATION, DEFINES THE POISONOUS AND HAZARDOUS SUBSTANCES COVERED, DESCRIBES THE COMPOSITION OF THE COMMITTEE ON TOXIC SUBSTANCES, ESTABLISHES WHO MAY PRODUCE, ACCEPT, BUY OR SELL, OR IMPORT THESE SUBSTANCES, OUTLINES LICENSING PROCEDURES, AND SETS REQUIREMENTS FOR THE DELIVERY AND STORAGE. THE ACT ALSO ESTABLISHES GENERAL PROVISIONS ON THE USE OF THESE SUBSTANCES, TO INCLUDE HERBICIDES, INSECTICIDES, AND GROWTH REGULATORS USED IN AGRICULTURE MOREOVER, IT REQUIRES THAT CARE BE TAKEN THAT POISONOUS WASTES EMANATING FROM INDUSTRIAL AND OTHER OPERATIONS NOT CAUSE HARM TO HUMANS OR ANIMALS OR CONTAMINATE THE ENVIRONMENT (AIR, SOIL, OR WATER) THE ACT FURTHER GOVERNS THE TYPE AND LABELING OF CONTAINERS HOLDING POISONOUS OR DANGEROUS SUBSTANCES AND THE DISPOSAL OF THE CONTAINERS. THE DIRECTOR GENERAL OF PUBLIC HEALTH, UNDER THE MINISTER OF HEALTH, OVERSEES THIS LEGISLATION. THE OFFICIAL TEXT APPEARS IN STJORNARTIDINDI, 1968, P. 331-347. (ICELANDIC ORIGINAL HAS ANNEXES LISTING THE CONTROLLED SUBSTANCES.)

EUR
ICELAND
LR(A)

"DECEMBER 20, 1962 LAW NO. 95. . . PROTECTION MEASURES AGAINST IONIZING RADIATIONS FROM RADIOACTIVE SUBSTANCES OR APPARATUSES PRODUCING RADIATIONS." INT. DIG. OF HLTH. LEG. WORLD HEALTH ORGANIZATION. COMP. EPA
ENGLISH 00/00/64 PGS 414-415 ID# 01370A
RADIATION

THIS LAW STIPULATES THAT NO PERSON MAY POSSESS, MANUFACTURE, TRANSPORT OR SELL RADIOACTIVE SUBSTANCES OR EQUIPMENT INTENDED FOR THE EMISSION OF IONIZING RADIATION WITHOUT A LICENSE PRESCRIBED IN THIS LEGISLATION. THE LICENSE IS GRANTED ONLY WHEN NECESSARY HEALTH SAFEGUARDS HAVE BEEN TAKEN. THE LAW SPECIFIES CERTAIN EXEMPTIONS AND AUTHORIZES THE GOVERNMENT TO SET SAFETY RULES AND TO TAKE REQUIRED ACTION TO HAVE THESE RULES OBSERVED. THE OFFICIAL ICELANDIC VERSION OF THIS LAW APPEARS IN STJORNARTIDINDI, PT. A, 1962, P. 285-286.

ICELAND
LR(A)

"JANUARY 12, 1968 ORDER NO. 5 ON THE STATE RADIATION PROTECTION AUTHORITY."
INT. DIG. OF HLTH. LEG., V. 22
WORLD HEALTH ORGANIZATION. COMP. EPA
ENGLISH 00/00/71 PGS 468 ID# 01370B
RADIATION

THIS ORDER, ISSUED IN PURSUANCE OF THE DEC. 20, 1962, LAW NO. 95, SETS THE RESPONSIBILITIES OF THE STATE RADIATION PROTECTION AUTHORITY. AMONG THOSE RESPONSIBILITIES ARE: THE REGULAR INSPECTION OF RADIATION EQUIPMENT; EXAMINATION OF LICENSE APPLICATIONS; SUPERVISION OF THE INSTALLATION OF RADIOACTIVE EQUIPMENT AND THE TRANSPORT AND PACKAGING OF RADIOACTIVE SUBSTANCES; THE MONITORING OF RADIATION DOSES; MEASUREMENT OF RADIATION IN FOODSTUFFS AND IN THE ENVIRONMENT; AND PARTICIPATION IN THE EUROPEAN WARNING SYSTEM AGAINST RADIATION HAZARDS. THE ORDER STATES THAT THE STATE RADIATION PROTECTION AUTHORITY IS TO BE GUIDED BY THE RECOMMENDATIONS OF THE INTERNATIONAL COMMISSION ON RADIOLOGICAL PROTECTION. THE ORDER FURTHER PRESCRIBES THAT THE OWNERS OF RADIOACTIVE SUBSTANCES OR RADIATION EQUIPMENT MUST INSURE THAT PERSONS OCCUPATIONALLY EXPOSED TO IONIZING RADIATION UNDERGO MEDICAL EXAMINATIONS. THE ICELANDIC VERSION OF THIS LAW APPEARS IN STJORNARTIDINDI, PT. B, 1968, P. 7-10.

EUR
IRELAND
LR(A)

"AUG. 8. 1962 LOCAL GOVERNMENT (SANITARY SERVICES) ACT." ACTS OF THE OIREACHTAS. 1962. N. 26.

ENGLISH 00/00/62 PGS 781-789 EPA ID# 01430A
AIR RADIATION

ARTICLE 10 OF THIS ACT AUTHORIZES THE MINISTRY FOR LOCAL GOVERNMENT TO ISSUE REGULATIONS TO PREVENT AIR POLLUTION WHICH MAY ENDANGER PUBLIC HEALTH AND TO CONTROL ANY TYPE OF AIR POLLUTION (SMOKE. DUST. GRIT. GAS) FROM INDUSTRIAL ENTERPRISES OR OTHER ESTABLISHMENTS. THE MINISTER IS RESPONSIBLE FOR ESTABLISHING MAXIMUM PERMISSIBLE CONCENTRATIONS OF VARIOUS ATMOSPHERIC POLLUTANTS. MONITORING POLLUTION LEVELS. DEVELOPING POLLUTION CONTROL MEASURES FOR LOCAL AREAS. LICENSING POLLUTING ENTERPRISES. AND REGULATING POTENTIAL POLLUTION OF THE AIR BY RADIOACTIVE MATERIALS IN AGREEMENT WITH THE MINISTRY OF HEALTH. REGULATIONS AFFECTING INDUSTRIAL ACTIVITIES ARE TO BE MADE IN CONJUNCTION WITH THE MINISTRY FOR INDUSTRY AND COMMERCE. PENAL PROVISIONS AND CONDITIONS FOR COURT INTERVENTION ARE ESTABLISHED. REGULATIONS MAY BE ANNULLED BY THE PARLIAMENT.

IRELAND
LR(B)

LAW AND PRACTICE RELATING TO POLLUTION CONTROL IN MEMBER STATES OF THE EUROPEAN COMMUNITIES. IRELAND
SCANNELL. YVONNE
ENGLISH 00/00/74 PGS 1-235 EPA ID# 03328A
ALSO PHA
GENERAL AIR WATER SOLID WASTE NOISE TOXIC SUBS RADIATION

THIS DOCUMENT. PREPARED BY ENVIRONMENTAL RESOURCES LTD. (LONDON) FOR THE COMMISSION OF THE ECONOMIC COMMUNITIES. GIVES A COMPREHENSIVE AND DETAILED ACCOUNT OF ENVIRONMENTAL LAW AND PRACTICES IN IRELAND. THE FIRST SECTION. "THE NATION'S AUTHORITIES AND POLLUTION CONTROL." COVERS: CONSTITUTIONAL AS WELL AS COMMON LAW AND STATUTE LAW PROVISIONS FOR POLLUTION CONTROL; GOVERNMENT DEPARTMENTS AND REGIONAL AND LOCAL AUTHORITIES INVOLVED IN POLLUTION CONTROL; INDEPENDENT ADVISORY BODIES; THE ROLE OF INDIVIDUALS AND SPECIAL INTEREST GROUPS; AND NATIONAL POLICIES ON POLLUTION CONTROL. SUBSEQUENT SECTIONS DETAIL LEGAL AND ADMINISTRATIVE PROVISIONS FOR CONTROLLING SPECIFIC TYPES OF POLLUTION: AIR POLLUTION; POLLUTION OF INLAND AND COASTAL WATERS AND THE SEAS; DEPOSIT OF WASTES ON LAND; NOISE AND VIBRATION; AND POLLUTION CAUSED BY NUCLEAR ENERGY. PROVISIONS FOR CONTROL OF POLLUTING PRODUCTS SUCH AS PESTICIDES AND DETERGENTS ARE ALSO COVERED. (SEE ALSO ID NO. 03321A).

EUR
IRELAND
LR(A)

"ROAD TRAFFIC (CONSTRUCTION, EQUIPMENT AND USE OF VEHICLES) REGULATIONS, 1963."
STATUTORY INSTRUMENTS, NO. 190

ENGLISH 00/00/63 PGS 55-121 EPA ID# 02139A
NOISE

THESE REGULATIONS PROHIBIT UNNECESSARY EXHAUST EMISSIONS AND EXCESSIVE NOISE FROM VEHICLES AND TRAILERS. ARTICLES OF THE REGULATION PROVIDE THAT VEHICLES ARE TO BE SO CONSTRUCTED AS TO PREVENT UNREASONABLE EMISSIONS OF SMOKE, VISIBLE VAPOR, NOXIOUS GASES AND OFFENSIVE ODORS. VEHICLES USING SOLID FUEL ARE TO BE EQUIPPED SO AS TO PREVENT EMISSIONS OF SPARKS OR GRIT AND TO PREVENT ASHES OR CINDERS FROM FALLING TO THE GROUND. USE OF VEHICLES OR TRAILERS THAT CAUSE EXCESSIVE NOISE DUE TO A DEFECT, LACK OF REPAIR OR FAULTY PACKING OF THE LOAD ARE PROSCRIBED. VEHICLES ARE NOT TO BE DRIVEN SO AS TO CAUSE EXCESSIVE NOISE. EXHAUST GASES MUST PASS THROUGH AN EXHAUST SILENCER OR OTHER DEVICE TO REDUCE NOISE. VEHICLES MUST BE EQUIPPED WITH AUDIBLE WARNING DEVICES, BUT THEY ARE ONLY TO BE USED WHEN REASONABLY NECESSARY FOR SAFETY. UNUSUALLY STRIDENT DEVICES ARE TO BE AVOIDED. WARNING DEVICES ARE NOT TO BE USED BETWEEN GIVEN HOURS UNDER SPEED LIMITS OF 30 OR 40 MILES PER HOUR.

IRELAND
LR(A)

"MAY 24, 1961 POISONS ACT." ACTS OF THE OIREACHTAS, 1961, N. 12.

ENGLISH 00/00/61 PGS 273-291 EPA ID# 01431A
PESTICIDES

THIS ACT ESTABLISHES A POISONS BOARD (COMHAIRLE NA NIMHEANNA), WHOSE MEMBERS ARE APPOINTED BY THE MINISTER OF HEALTH, TO PROVIDE EXPERT ADVICE ON REGULATION OF POISONS. THE MINISTER OF HEALTH HAS GENERAL AUTHORITY TO REGULATE, UPON CONSULTATION WITH THE POISONS BOARD, MANUFACTURE, DISTRIBUTION, SALE AND USE OF POISONOUS SUBSTANCES. UNDER SECTION 15 OF THIS ACT, THE MINISTER OF AGRICULTURE IS AUTHORIZED TO REGULATE, UPON CONSULTATION WITH THE POISONS BOARD, CONDITIONS FOR THE USE OF AGRICULTURAL POISONS AND PESTICIDES. PENALTIES FOR VIOLATION OF THIS ACT ARE ESTABLISHED IN SECTION 17.

IRELAND
LR(A)

"OCT 29, 1953 HEALTH ACT." ACTS OF THE OIREACHTAS, 1953, N. 26.

ENGLISH 00/00/53 PGS 431-439 EPA ID# 01432A
RADIATION PESTICIDES

UNDER ARTICLE 59 OF THIS ACT, THE MINISTRY OF HEALTH IS AUTHORIZED TO ISSUE REGULATIONS TO CONTROL MANUFACTURE, IMPORT, STORAGE, DISTRIBUTION, SALE AND USE OF RADIOACTIVE SUBSTANCES OR IRRADIATING APPARATUS USED IN MEDICAL TREATMENT OR BY INDUSTRIAL OR OTHER ENTERPRISES. THE MINISTRY MAY ALSO ESTABLISH REGULATIONS TO PREVENT HEALTH HAZARDS TO RADIATION WORKERS AND OTHERS AFFECTED BY SUCH USE, AND TO ENSURE SAFE DISPOSAL OF RADIOACTIVE WASTES. A LICENSE MAY BE REQUIRED FOR ANY WORK WITH RADIATION. UNDER ARTICLE 60, THE MINISTRY IS AUTHORIZED TO REGULATE VERMINICIDES CONTAINING ORGANISMS PATHOGENIC TO MAN. ARTICLE 61 DEALS WITH REGULATION OF FUMIGANTS.

EUR
IRELAND
LR(A)

"JUL 5, 1971 NUCLEAR ENERGY (AN BORD FUINNIMH NUICLEIGH) ACT." ACTS OF THE OIREACHTAS, 1971, N. 12.

EPA

ENGLISH 00/00/71 PGS 87-107 ID# 01433A
RADIATION

THIS ACT ESTABLISHES A NUCLEAR ENERGY BOARD (AN BORD FUINNIMH NUICLEIGH) UNDER THE MINISTRY FOR TRANSPORT AND POWER TO PROVIDE EXPERT ADVICE ON MATTERS RELATED TO NUCLEAR ENERGY. THE BOARD IS TO ADVISE THE MINISTRY ON REGULATING CONSTRUCTION AND OPERATION OF NUCLEAR POWER STATIONS AND NUCLEAR APPARATUS USED IN RESEARCH, PREPARE SAFETY CODES FOR WORK WITH RADIOACTIVE SUBSTANCES, COLLECT AND DISSEMINATE INFORMATION ON NUCLEAR SCIENCE, AND ADVISE THE GOVERNMENT ON INTERNATIONAL NUCLEAR ENERGY AGREEMENTS. THE BOARD MAY, BY ORDER OF THE MINISTER, BE MADE RESPONSIBLE FOR SUPERVISING CUSTODY OF RADIOACTIVE MATERIALS, ENSURING SAFE DISPOSAL OF RADIOACTIVE WASTES, LICENSING PERSONS ENGAGED IN MANUFACTURE, IMPORTATION, TRANSPORT, SALE, USE OR DISPOSAL OF RADIOACTIVE SUBSTANCES, AND INSPECTING PREMISES INVOLVED IN WORK WITH RADIOACTIVE SUBSTANCES. THE BOARD IS TO ENFORCE SAFETY CODES DEALING WITH RADIATION PROTECTION IN THE "1953 HEALTH ACT" AND THE "1957 FACTORIES ACT," BOTH OF WHICH ARE AMENDED BY THIS ACT.

IRELAND
LR(A)

"1956 AND 1965 OIL POLLUTION OF THE SEA ACTS." ACTS OF THE OIREACHTAS, 1965, N. 1

EPA

ENGLISH 00/00/65 PGS 3-7 ID# 01434A
WATER

THE 1955 ACT (ACTS OF THE OIREACHTAS, 1956, NO 25) BRINGS INTO EFFECT THE "INTERNATIONAL CONVENTION FOR PREVENTION OF POLLUTION OF THE SEA BY OIL, 1954," AND ESTABLISHES OTHER PROVISIONS TO PREVENT POLLUTION OF NAVIGABLE WATERS BY OIL. THE MARCH 2, 1965 ACT BRINGS INTO EFFECT CERTAIN AMENDMENTS TO THE "INTERNATIONAL CONVENTION," AND STRENGTHENS PROVISIONS OF THE 1956 ACT. DISCHARGE OF OIL OR AN OILY MIXTURE ANYWHERE AT SEA BY A SHIP OF IRISH REGISTRATION BUILT AFTER THE 1965 ACT TAKES EFFECT IS PROHIBITED EXCEPT IN CERTAIN EMERGENCY SITUATIONS. AREAS OF THE SEA PROHIBITED TO TANKERS UNDER SECTION 4 OF THE 1956 ACT ARE MADE OFF LIMITS TO ALL SHIPS REGISTERED IN IRELAND. RECORDS REQUIRED UNDER SECTION 17 OF THE 1956 ACT ON DISCHARGE OF OIL AT SEA UNDER CERTAIN CIRCUMSTANCES MUST NOW BE KEPT FOR ANY DISCHARGE OF OIL AT SEA.

EUR
IRELAND
LR(A)

"JUL 8, 1959 FISHERIES (CONSOLIDATION) ACT." ACTS OF THE OIREACHTAS, 1959, N. 14.
EPA
ENGLISH 00/00/59 PGS 397-399 ID# 01435A
WATER

CHAPTER II OF THIS ACT ESTABLISHES MEASURES TO PROTECT FISHING WATERS AGAINST POLLUTION AND POISONING. DUMPING DELETERIOUS MATTER INTO WATERS WITHOUT A LICENSE FROM THE MINISTER FOR LANDS IS AN OFFENCE PUNISHIBLE BY A FINE NOT TO EXCEED 25 POUNDS AND SIX MONTHS IN PRISON. IF DELETERIOUS LIQUIDS ARE STORED WITHIN 30 YEARS OF A WATER BODY, MEASURES TO PREVENT WATER POLLUTION MUST BE PROVIDED AND CERTIFIED BY THE MINISTER FOR LANDS.

IRELAND
LR(A)

"JUN 11, 1968 CONTINENTAL SHELF ACT." ACTS OF THE OIREACHTAS, 1968, N. 14.
EPA
ENGLISH 00/00/68 PGS 161-175 ID# 01436A
WATER

THIS ACT ESTABLISHES AUTHORITY OF THE MINISTER FOR INDUSTRY AND COMMERCE TO REGULATE EXPLORATION AND EXPLOITATION OF THE CONTINENTAL SHELF. IT IS PROHIBITED TO DELIBERATELY DISCHARGE OR TO ALLOW THROUGH NEGLIGENCE THE LEAKAGE OF OIL OR AN OILY MIXTURE (OVER 100 PARTS PER MILLION) INTO WATERS OF THE CONTINENTAL SHELF FROM PIPELINES OR AS A RESULT OF EXPLORATORY OPERATIONS. THIS ACT DOES NOT APPLY TO OIL DISCHARGED FROM SHIPS. VIOLATORS ARE SUBJECT TO CRIMINAL PROSECUTION.

IRELAND
LR(A)

"NOV. 27, 1970 ALLOCATION OF ADMINISTRATION (OIL POLLUTION CLEARANCE) ORDER."
STATUTORY INSTRUMENTS, 1970, NO. 277.
EPA
ENGLISH 00/00/70 PGS 3 ID# 01437A
WATER

THIS ORDER MAKES THE DEPARTMENT OF LOCAL GOVERNMENT RESPONSIBLE FOR ADMINISTRATION OF MATTERS RELATED TO OIL POLLUTION CLEARANCE.

EUR
IRELAND
LR(A)

"WATER SUPPLIES ACT, 1942." ACTS OF THE OIREACHTAS, 1942, NO. 1

ENGLISH 00/00/43 PGS 3-33 EPA ID# 02137A
WATER

THIS LAW SPECIFIES CONDITIONS AND PROCEDURES UNDER WHICH SANITARY AUTHORITIES MAY TAKE SUPPLIES OF WATER FROM WATER SOURCES AND ALSO PROVIDES FOR MATTERS INCIDENTAL TO OR CONNECTED WITH THEIR TAKING OF SUCH WATER SUPPLIES. ARTICLE 20 OF THE LAW STATES THAT WHERE A SANITARY AUTHORITY IS EMPOWERED BY THE ACT TO TAKE A SUPPLY OF WATER FROM A SOURCE, THE AUTHORITY HAS THE SAME RIGHT TO PREVENT INTERFERENCE WITH THE FLOW OF WATER IN, FROM, OR INTO SUCH WATER SOURCE AND TO PREVENT POLLUTION OF THE WATER IN THE SOURCE AS AN OWNER OF LAND CONTIGUOUS TO THE SOURCE.

IRELAND
PM(A)

IRELAND: NATIONAL REPORT ON PROBLEMS RELATING TO ENVIRONMENT FOR THE UNITED NATIONS CONFERENCE IN STOCKHOLM, JULY 1972.

ENGLISH 05/00/71 PGS 1-42 EPA ID# 02079A
GENERAL

THIS REPORT, PREPARED FOR THE 1972 UN CONFERENCE ON THE ENVIRONMENT, OUTLINES THE ENVIRONMENTAL SITUATION IN THE REPUBLIC OF IRELAND. AN INTRODUCTORY SECTION GIVES BASIC STATISTICS ON THE COUNTRY. THE BODY OF THE REPORT IS DIVIDED INTO TWO MAJOR PARTS. THE FIRST IS A REVIEW OF THE MAIN ENVIRONMENTAL PROBLEMS IN IRELAND, INCLUDING A DISCUSSION OF DEVELOPMENT TRENDS AND RESOURCE UTILIZATION AND MANAGEMENT. THE SECOND PART DEALS WITH PAST AND FUTURE ACTION. A SECTION ON EXISTING OR PROPOSED MEASURES AT THE NATIONAL LEVEL DETAILS ORGANIZATIONAL AND INSTITUTIONAL ARRANGEMENTS AND LEGISLATION, AS WELL AS A BRIEF DISCUSSION OF EDUCATION AND DISSEMINATION OF INFORMATION. THE REPORT CONCLUDES WITH A LISTING OF RECOMMENDATIONS FOR INTERNATIONAL ENVIRONMENTAL ACTION.

IRELAND
PM(B)

"POLLUTION - DUBLIN BAY REACHES THE CRISIS LEVEL" AND "POLLUTION - WATER YOU COULD ALMOST WALK ON." IRISH PRESS
KEALY, WILLIE
ENGLISH 07/23/74 PGS 9* EPA ID# 02194A
*CONTINUED 07/24/73, PAGE 9
WATER

THIS TWO-PART ARTICLE SURVEYS THE PROBLEM OF WATER POLLUTION IN IRELAND AS REVEALED BY A RECENT IRISH PRESS SURVEY. RESPONSIBLE IN GENERAL FOR ENVIRONMENTAL CONTROL IS THE DEPARTMENT OF LOCAL GOVERNMENT IN COOPERATION WITH THE DEPARTMENTS OF HEALTH AND AGRICULTURE. UNOFFICIAL MONITORING OF THE NATION'S WATERWAYS IS CARRIED ON BY SUCH BODIES AS THE WATER PROTECTION COMMISSION OF THE ORGANIZATION AN TAISCE, THE INLAND FISHERIES TRUST, THE TROUT ANGLERS' FEDERATION AND THE INSTITUTE OF INDUSTRIAL RECORDS AND STANDARDS. SEVERAL SPOKESMEN OF THESE GROUPS RECOMMEND ESTABLISHMENT OF A NATIONAL DEPARTMENT OF THE ENVIRONMENT. A COMMISSIONED REPORT IS BEING PREPARED BY A JOINT IRISH-WELSH TEAM OF EXPERTS ON POLLUTION IN THE RIVER LIFFEY FROM LEIXLIP TO THE SEA. THE REPORT WILL HELP IN FUTURE CONSIDERATIONS OF APPLICATIONS TO DISCHARGE SUSPECT POLLUTANTS INTO THE RIVER, HARBOR, ESTUARY OR THE BAY. IT WILL ALSO MAKE RECOMMENDATIONS FOR IMPROVEMENT OF POLLUTION IN DUBLIN BAY.

EUR
IRELAND
PM(B)

REPORT ON WATER POLLUTION
IRELAND. INTER-DEPARTMENTAL WORKING GROUP ON...POLLUTION EPA
ENGLISH 10/00/73 PGS 1-115 ID# 02539A
ALSO LRB AND SE
WATER

THIS REPORT WAS PREPARED FOR THE MINISTER FOR LOCAL GOVERNMENT BY THE INTER-DEPARTMENTAL WORKING GROUP ON AIR AND WATER POLLUTION, COMPRISING REPRESENTATIVES OF THE DEPARTMENTS OF AGRICULTURE AND FISHERIES, FINANCE, HEALTH, INDUSTRY AND COMMERCE, LANDS, LOCAL GOVERNMENT, AND TRANSPORT AND POWER. IT CONTAINS SECTIONS TREATING THE FOLLOWING TOPICS: A) NATURE OF WATER POLLUTION, B) INVESTIGATIONS INTO WATER POLLUTION IN IRELAND, C) MAIN CAUSES OF WATER POLLUTION IN IRELAND, D) EXTENT AND DISTRIBUTION OF WATER POLLUTION PROBLEMS, D) REVIEW OF EXISTING LEGISLATION, E) EXISTING ADMINISTRATIVE ARRANGEMENTS, F) POSSIBLE ADMINISTRATIVE ARRANGEMENTS, G) PROPOSED ARRANGEMENTS, AND H) COST OF REMEDIAL STRATEGIES. THE PRINCIPAL CONCLUSIONS AND RECOMMENDATIONS ARE SUMMARIZED WITH SECTION REFERENCES TO THE BODY OF THE TEXT. THE 17-PAGE APPENDIX INCLUDES LISTS OF DOCUMENTS USED IN THE STUDY, A TECHNICAL GLOSSARY FOR THE REPORT, AND VARIOUS TABLES AND MAPS.

ITALY
LR(A)

POLLUTION (LAWS IN FORCE) INQUINAMENTO (NORMATIVA VIGENTE)
UNIONE INDUSTRIALI DELLA PROVINCIA DI SAVONA, COMP. EPA
ITALIAN 00/00/72 PGS 5-253 ID# 00400A
ALSO PM
AIR

THIS PUBLICATION GIVES A SYNTHESIS OF ITALIAN ANTI-POLLUTION LAWS AND REPRODUCES IN FULL THE AIR POLLUTION LAW OF 1966 (LAW NO. 615) AND THE SUBSEQUENT IMPLEMENTING DECREES AND ORDINANCES THAT EXPLAIN IN DETAIL THE PERTINENT MEANS FOR THE PREVENTION AND LIMITATION OF AIR POLLUTION. THE FIRST CHAPTER OF LAW 615 DIVIDES ITALY INTO TWO MAJOR CONTROL AREAS AND ESTABLISHES A CENTRAL BOARD OF CONTROL. THIS BOARD, COMPOSED OF VARIOUS GOVERNMENT OFFICIALS AND ATTACHED TO THE MINISTRY OF HEALTH AS AN AUTONOMOUS BODY, IS EMPOWERED TO ENFORCE ANTI-POLLUTION LEGISLATION. CHAPTERS 2 AND 3 SET STANDARDS FOR THERMAL INSTALLATIONS AND FUELS, WHILE CHAPTER 4 PROVIDES NORMS FOR THE OPERATION AND MONITORING OF THESE INSTALLATIONS. CHAPTERS 5 AND 6 ARE DEVOTED TO THE PREVENTION OF AIR POLLUTION FROM INDUSTRIAL ESTABLISHMENTS AND MOTOR VEHICLES. THE FINAL CHAPTER SETS ARRANGEMENTS FOR IMPLEMENTING REGULATIONS AND DESIGNATES AUTHORITIES COMPETENT TO CARRY THEM OUT.

EUR
ITALY
LR(A)

"DEC 22, 1970 DECREE NO. 1391 . . . EMBODYING REGULATIONS FOR THE IMPLEMENTATION OF THE JULY 13, 1966 LAW NO. 615 . . ." INT. DIG. OF HLTH. LEG., V. 24.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/73 PGS 170-171 ID# 00400C
AIR

THIS DECREE BY THE PRESIDENT OF THE REPUBLIC EMBODIES REGULATIONS FOR THE IMPLEMENTATION OF THE JULY 13, 1966 LAW NO. 615 CONTAINING PROVISIONS ON THE CONTROL OF AIR POLLUTION IN THE FIELD OF THERMAL INSTALLATIONS. IT REPEALS THE OCT. 24, 1967 DECREE NO. 1288, ALTHOUGH THE CHAPTER HEADINGS AND ANNEX TITLES HAVE BEEN RETAINED. THE OFFICIAL ITALIAN-LANGUAGE TEXT OF THIS DECREE APPEARS IN SUPPLEMENTO ORDINARIO AIO ALLE GAZZETTA OFFICIALE, NO. 59, MARCH 8 1971, PT. I, P. 1-30.

ITALY
LR(A)

"FEB. 22, 1971 DECREE NO. 323 . . . EMBODYING REGULATIONS FOR THE IMPLEMENTATION OF THE JULY 13, 1966 LAW NO. 615 . . . DIESEL ENGINES." INT DIG OF HTLH LEG, V. 24
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/73 PGS 173 ID# 00400D
AIR

THIS DECREE BY THE PRESIDENT OF THE REPUBLIC EMBODYING REGULATIONS FOR THE IMPLEMENTATION OF THE JULY 13, 1966 LAW NO. 615 CONTAINING PROVISIONS ON THE CONTROL OF AIR POLLUTION, APPLICABLE TO VEHICLES POWERED BY DIESEL ENGINES, SETS MAXIMUM OPACITY VALUES. THE VALUES OF EXHAUST GASES FROM DIESEL-POWERED VEHICLES MUST NOT EXCEED THE FOLLOWING LEVELS: (1) NEW VEHICLES: 45% FOR CITY BUSES AND 50% FOR ALL OTHER VEHICLES; (2) VEHICLES ALREADY ON THE ROAD: 65% FOR CITY BUSES AND 70% FOR ALL OTHER VEHICLES. THE OFFICIAL ITALIAN-LANGUAGE TEXT OF THIS DECREE APPEARS IN SUPPLEMENTO ORDINARIO ALLA GAZZETTA UFFICIALE, NO. 145, JUNE 9, 1971, PT. I, P. 30-31.

ITALY
LR(A)

"APRIL 15, 1971 DECREE NO. 322 . . . EMBOYDING REGULATIONS FOR THE IMPLEMENTATION OF THE JULY 13, 1966 LAW NO. 615 . . . AIR POLLUTION IN INDUSTRY." INT DIG OF HLTH LEG, V. 24
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/73 PGS 174 ID# 00400E
AIR

THIS DECREE BY THE PRESIDENT OF THE REPUBLIC EMBODIES REGULATIONS FOR THE IMPLEMENTATION OF THE JULY 13, 1966 LAW NO. 615 CONTAINING PROVISIONS ON THE CONTROL OF AIR POLLUTION IN INDUSTRY. IT IS COMPRISED OF THE FOLLOWING CHAPTERS: GENERAL PROVISIONS; INSTALLATIONS FOR REDUCING POLLUTION; OPERATIONS FOR THE INSTALLATION, EXTENSION, AND CONVERSION OF INDUSTRIAL ESTABLISHMENTS; MAXIMUM PERMISSIBLE LEVELS OF POLLUTION AND CONTROL PROCEDURES (SPECIFYING THE MAXIMUM PERMISSIBLE CONCENTRATIONS FOR EMISSIONS OF A NUMBER OF POLLUTANTS OUTSIDE INDUSTRIAL ZONES); AND TRANSITIONAL AND FINAL PROVISIONS. THIRTEEN ANNEXES FURNISH TECHNICAL DATA. THE OFFICIAL ITALIAN-LANGUAGE TEXT OF THIS DECREE APPEARS IN SUPPLEMENTO ORDINARIO ALLA GAZZETTA UFFICIALE, NO. 145, JUNE 9, 1971, PT. I, P. 3-29.

EUR
ITALY
LR(A)

"FEBRUARY 12, 1971 MINISTERIAL DECREE ESTABLISHING THE LIST OF UNHEALTHY INDUSTRIES REFERRED TO IN SECT. 216 OF THE UNIFIED HEALTH LAW." INT. DIG. OF HLTH. LEG., V. 24
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/73 PGS 172-173 ID# 01299A
AIR WATER

THIS DECREE, PROMULGATED BY THE MINISTER OF HEALTH, REPLACES THE LIST OF UNHEALTHY (POLLUTING) INDUSTRIES ESTABLISHED BY THE JULY 12, 1912 MINISTERIAL DECREE AS AMENDED. THE INDUSTRIES ARE DIVIDED INTO CLASS 1 AND CLASS 2 INDUSTRIES. THE OFFICIAL ITALIAN-LANGUAGE TEXT OF THIS DECREE APPEARS IN GAZZETTA UFFICIALE, PT. I, MARCH 12, 1971, P. 1509-1513.

ITALY
LR(B)

"ENVIRONMENT AND THE LAW: ITALY." NEW LAW JOURNAL, V. 123
WHARAM, ALAN EPA
ENGLISH 01/25/73 PGS 77-78; 83 ID# 01804A
GENERAL AIR WATER SOLID WASTE NOISE

THIS ARTICLE POINTS UP ENVIRONMENTAL CONDITIONS IN ITALY AND RECOUNTS THE HISTORY OF ITALIAN ENVIRONMENTAL LAWS, WHETHER ENACTED AS PART OF BROADER LEGISLATION OR AS MEASURES AGAINST SPECIFIC PROBLEMS AND POLLUTANTS. CITED LAWS DEAL WITH WATER AND AIR POLLUTION AND NOISE NUISANCE AND SOLID WASTES. IN SUMMARY, THE AUTHOR STATES THAT AT PRESENT THE ADMINISTRATION OF ENVIRONMENTAL MATTERS IS SHARED BY THE REGIONAL GOVERNMENTS AND IS DISTRIBUTED THROUGHOUT SEVERAL DEPARTMENTS OF THE CENTRAL GOVERNMENT. DESPITE THIS DIFFICULTY, ITALIAN AUTHORITIES LOOK WITH REASONABLE CONFIDENCE TO THE FUTURE AND ARE CONFIDENT OF CONTINUING PUBLIC SUPPORT.

ITALY
LR(B)

"ITALIAN LEGISLATION COMPARED WITH THAT OF OTHER COUNTRIES..."
ATTI: CONVEGNO NAZIONALE - LIMITI DELLA NORMATIVA ITALIANA SULLA TUTELA DELL'AMBIENTE
ITALY, ECOLOGICAL COMMISSION OF THE MINISTRY OF JUSTICE EPA
ITALIAN 06/02/74 PGS 146-159 ID# 02683A
ALSO PHA
GENERAL

THE COMPARISON WHICH THIS REPORT DRAWS BETWEEN ITALY AND OTHER COUNTRIES WITH RESPECT TO ENVIRONMENTAL ORGANIZATION STRUCTURES AND LEGISLATION POINTS OUT THE COMPARATIVE DEFICIENCIES AND VOIDS IN ITALIAN LEGISLATION WITH REGARD TO BOTH STRUCTURES AND CONTENT. REGULATIONS, WITH THE EXCEPTION OF THOSE DEALING WITH RADIATION PROTECTION, ARE SHOWN TO BE GENERALLY INADEQUATE, AND WHERE EFFECTIVE LEGISLATION DOES EXIST, TO BE GENERALLY UNENFORCED. UNDER THESE CIRCUMSTANCES, THOSE EEC PROGRAMS WHICH NECESSITATE ITALY'S ADHERENCE ARE VIEWED BY THE AUTHOR AS THE ONLY HOPE FOR IMPROVEMENT. AN OUTLINE OF EEC PROGRAMS CONSEQUENTLY CONSIDERS: 1) POLLUTION ABATEMENT ACTIVITIES, 2) ENVIRONMENT AMELIORATION ACTIVITIES, AND 3) ACTIVITIES OF THE EEC AND MEMBER STATES WITHIN THE FRAMEWORK OF OTHER INTERNATIONAL ORGANIZATIONS.

EUR
ITALY
LR(B)

LAW AND PRACTICE RELATING TO POLLUTION IN MEMBER STATES OF THE EUROPEAN COMMUNITIES. ITALY
DELL'ANNO, PAULO
EPA
ENGLISH 00/00/74 PGS 1-249 ID# 03324A
ALSO PMA
GENERAL AIR WATER SOLID WASTE NOISE TOXIC SUBS RADIATION

THIS DOCUMENT, PREPARED BY ENVIRONMENTAL RESOURCES LTD. (LONDON) FOR THE COMMISSION OF THE ECONOMIC COMMUNITIES, GIVES A COMPREHENSIVE AND DETAILED ACCOUNT OF ENVIRONMENTAL LAW AND PRACTICES IN ITALY. THE INITIAL SECTION DETAILS THE DISTRIBUTION OF LEGISLATIVE AND ADMINISTRATIVE COMPETENCE IN THE AREA OF POLLUTION CONTROL AND DISCUSSES THE ROLES OF INDEPENDENT ADVISORY BODIES AS WELL AS OF GROUPS AND INDIVIDUALS IN INFLUENCING ENVIRONMENTAL POLICY. ALSO CONSIDERED ARE THE NATIONAL POLLUTION CONTROL POLICY AND ITALY'S ADHERENCE TO INTERNATIONAL TREATIES AND CONVENTIONS ON POLLUTION CONTROL. SUBSEQUENT SECTIONS DETAIL LEGAL AND ADMINISTRATIVE PROVISIONS FOR CONTROLLING SPECIFIC TYPES OF POLLUTION: AIR POLLUTION; POLLUTION OF INLAND AND COASTAL WATERS AS WELL AS OF THE SEA; DISPOSAL OF WASTES ON LAND; NOISE POLLUTION; AND RADIATION POLLUTION. PROVISIONS FOR PRODUCT CONTROL ARE ALSO CONSIDERED. (SEE ALSO ID NO. 03321A).

ITALY
LR(A)

IL CODICE DELLA STRADA (STREET CODE), 4TH ED.
SPERDUTI, MICHELE, AND GIAN LUIGI RINALDI
EPA
ITALIAN 00/00/72 PGS 46-47, 11 ID# 00983A
NOISE

(AS OF NOW, THERE IS NO SPECIFIC LEGISLATION IN ITALY CONCERNING NOISE PROBLEMS. BASICALLY, THE MATTER IS HANDLED BY MEANS OF ADMINISTRATIVE ORDINANCES (UNIFIED TEXT OF LAW ON PUBLIC SAFETY IN "CODICE PENALE, CODICE DI PROCEDURA PENALE, UNICO DELLE LEGGI DI P.S., AND REGOLAMENTO A LEGGI PENALI SPECIALI." ROME, 1966, P. 389 AND 432.) WHICH ARE ENFORCED BY POLICE AUTHORITIES.) IN ADDITION TO THIS APPROACH, PROVISIONS FOR DEALING WITH NOISE ARE EMBODIED IN THE "CODICE DELLA STRADA" (STREET CODE). ARTICLES 46, 47, AND 112 OF THIS CODE DEAL WITH THE USE OF ACOUSTIC DEVICES AND MUFFLERS ON ALL AUTOMOBILES: THEY ALSO PROVIDE FOR SILENCERS FOR ALL TYPES OF ENGINES AND SET ACCEPTABLE LIMITS FOR NOISE EMITTED BY THEM.

ITALY
LR(A)

APRIL 30, 1962 PUBLIC HEALTH ORDINANCE NO. 283 ON THE PRODUCTION AND SALE OF SUBSTANCES USED IN FOOD AND DRINK. LEX - LEGISLAZIONE ITALIANA.
EPA
ITALIAN 00/00/62 PGS 959-964 ID# 00645A
PESTICIDES

THIS LAW, ALONG WITH SEVERAL AMENDED ARTICLES OF THE HEALTH CODE, EMPOWERS ALL NATIONAL, REGIONAL, PROVINCIAL AND COMMUNAL HEALTH AUTHORITIES TO CONTROL AND MONITOR THE MANUFACTURE, TRADE AND SALE OF POLLUTING SUBSTANCES. AMONG THESE ARE RESIDUES OF PRODUCTS USED IN AGRICULTURE FOR THE PROTECTION AND DISINFECTION OF PLANTS DESTINED FOR HUMAN CONSUMPTION. THE MINISTER OF HEALTH MAY FIX BY APPROPRIATE ORDINANCE THE LIMITS OF TOLERANCE AND THE INTERVALS OF APPLICATION OF THESE PRODUCTS.

EUR
ITALY
LR(A)

"DECEMBER 22, 1967 ORDINANCE . . . PRESCRIBING TOLERANCE LIMITS FOR CERTAIN PLANT PROTECTION PRODUCTS IN VEGETABLE AND FRUIT CROPS...AND...ANALYSIS" INT. DIG. HLTH. LEG., V. 20
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/69 PGS 235-236 ID# 00645B
PESTICIDES

THIS ORDINANCE, ISSUED BY THE MINISTRY OF HEALTH, PRESCRIBES TOLERANCE LIMITS FOR CERTAIN PLANT PROTECTION PRODUCTS IN VEGETABLE AND FRUIT CROPS, OTHER THAN POTATO, AND SPECIFIES THE METHODS OF ANALYSIS. IT WAS ISSUED TO IMPLEMENT, INTER ALIA, ITEM (H) OF SECTION 5 AND SECTION 21 OF LAW NO 283 OF APRIL 30, 1962. ANNEX 1 DEFINES THE LIMITS OF TOLERANCE, AND LISTS EACH PRODUCT'S COMMON NAME, CHEMICAL NAME, RESIDUE LIMIT AND PRE-HARVEST INTERVAL. ANNEX 2 DESCRIBES WAYS TO DETERMINE EXISTENCE OF PESTICIDES RESIDUE IN VEGETABLES AND FRUITS. THE ITALIAN-LANGUAGE ORIGINAL APPEARS IN GAZZ. UFF., PART I, FEB. 1, 1968, NO. 28, PP. 634-639.

ITALY
LR(A)

"NOVEMBER 22, 1968 DECREE... TO AMEND THE ... DECEMBER, 22 1967 ORDINANCE PRESCRIBING TOLERANCE LIMITS FOR CERTAIN PLANT PROTECTION PRODUCTS..." INT. DIG. HTLH. LEG., V.21.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/70 PGS 591 ID# 00645C
PESTICIDES

THIS DECREE WAS ISSUED BY THE MINISTRY OF HEALTH TO AMEND ITS DEC. 22, 1967 ORDINANCE WHICH PRESCRIBED TOLERANCE LIMITS FOR CERTAIN PLANT PROTECTION PRODUCTS IN VEGETABLE AND FRUIT CROPS, OTHER THAN POTATO, AND SPECIFIES THE METHODS OF ANALYSIS. IT SPECIFICALLY EXPANDS ANNEX 2 OF THE ORDINANCE TO INCLUDE METHODS TO DETERMINE THE AMOUNTS OF MALATHION, ROGOR, ALDRIN, DIELDRIN, HEPTACHLOR, HEPTACHLOR EPOXIDE AND LINDANEO IN FOODSTUFFS. THE ITALIAN LANGUAGE ORIGINAL APPEARS IN GAZZ. UFF., PART I, FEB. 12, 1969, NO. 37, PP. 828-834.

ITALY
LR(A)

"JANUARY 14, 1970 DECREE CONCERNING... THE USE OF DDT-CONTAINING PLANT PROTECTION AGENTS ON CERTAIN SPECIES OF PLANTS" INT. DIG. HLTH. LEG., V. 22.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/71 PGS 128 ID# 00645D
PESTICIDES

THE JAN. 14, 1970 DECREE, ISSUED BY THE MINISTER OF HEALTH, CONCERNS THE PROHIBITION OF AND RESTRICTIONS ON THE USE OF DDT-CONTAINING PLANT PROTECTION AGENTS ON CERTAIN SPECIES OF PLANTS. IT BANS THE USE OF DDT-CONTAINING PLANT PROTECTORS TO TREAT GRAMINEAE, LUGUMINOSAE, FODDER AND AND HORTICULTURAL PLANTS, STORED FOODSTUFFS, INDUSTRIAL CROPS, APRICOTS, CHERRIES, PEACHES AND PLUMS. IT DOES ALLOW, HOWEVER, USE OF DDT DURING CERTAIN STAGES OF GROWTH OF CITRUS FRUIT, OLIVE, APPLE, AND PEAR TREES VINES, POPLARS, FOREST PLANTING MATERIAL, AND FLOWERING AND ORNAMENTAL PLANTS. THE ITALIAN-LANGUAGE ORIGINAL APPEARS IN GAZZ. UFF., PART I, FEB. 9, 1970, NO. 34, P. 761.

EUR
ITALY
LR(A)

"MINISTERIAL DECREE OF JULY 31, 1973 CONCERNING RESTRICTIONS ON THE USE OF DDD IN PESTICIDES." LEX: LEGISLAZIONE ITALIANA, 1973
EPA
ITALIAN 00/00/73 PGS 2583-2584 ID# 00645E
PESTICIDES

THIS DECREE, PROMULGATED BY THE MINISTER OF HEALTH, GENERALLY PROHIBITS THE USE OF PESTICIDES CONTAINING DDD FOR THE TREATMENT OF CROPS AND FOODSTUFFS. EXEMPTED FROM THE DDD PROSCRIPTION ARE A NUMBER OF SPECIFIED PLANT SPECIES LISTED IN A TABLE.

ITALY
LR(A)

PRESIDENTIAL DECREE NO. 1225, AUG. 3, 1968. REGULATION CONCERNING PHYTOPHARMACEUTICALS AND PESTICIDES LIKELY TO BECOME RESIDUES IN FOODSTUFFS.
EPA
ITALIAN 00/00/68 PGS 256-269 ID# 00645E
PESTICIDES

THIS DECREE, PROMULGATED TO REGULATE THE PRODUCTION, DISTRIBUTION AND SALE OF PHYTOPHARMACEUTICALS AND PESTICIDES LIKELY TO BECOME RESIDUES IN FOODSTUFFS, ELABORATES THE TEXT OF LAW NO. 283 AND SPECIFIES IN DETAIL MEANS AND METHODS OF PESTICIDE CONTROL, THE TYPES OF PESTICIDES AND ENFORCEMENT PROCEDURES.

ITALY
LR(B)

LAWS AND REGULATIONS ON PHYTOPHARMACEUTICALS (MANUALE DI FITOFARMACIA E DEI FITOFARMACI)
SERENI, V.
EPA
ITALIAN 00/00/69 PGS 47-50 ID# 00646A
PESTICIDES

THIS CHAPTER SUMMARIZES THE VARIOUS ITALIAN REGULATIONS ON THE AGRICULTURAL USE OF PHYTOPHARMACEUTICAL PRODUCTS TO CONTROL VEGETABLE AND ANIMAL PARASITES ON PLANTS CULTIVATED AS FOODSTUFFS, INCLUDING THE PROPER LABELING OF THESE PRODUCTS AND THEIR REGISTRY WITH THE MINISTRY OF HEALTH.

EUR
ITALY
LR(A)

"DECEMBER 4, 1967 DECREE . . . CONCERNING A RESTRICTED USE OF A CERTAIN NUMBER OF CHLORINATED CYCLODIENIC PESTICIDES" INT. DIG. HLTH. LEG., V. 20. WORLD HEALTH ORGANIZATION, COMP.
EPA
ENGLISH 00/00/69 PGS 234-235 ID# 01296A
PESTICIDES

THIS DECREE, ISSUED BY THE MINISTRY OF HEALTH, AUTHORIZES THE PRODUCTION AND TRADE OF CERTAIN REGISTERED AGRICULTURAL PESTICIDES CONTAINING ALDRIN, DIELDRIN, CHLORDANE, HEPTACHLOR OR HEPTACHLOR EPOXIDE BASES ONLY IN POWDER FORM TO TREAT SEEDS AND GRANULATED FORM TO DISINFECT SOIL. IT ALSO DIRECTS PRECAUTIONARY WARNINGS TO BE INCLUDED ON LABELS AND IN ACCOMPANYING LEAFLETS. THE ITALIAN-LANGUAGE ORIGINAL APPEARS IN GAZZ. UFF., PART I, JAN. 11, 1968, NO. 8, PP. 163-164.

ITALY
LR(A)

"FEB. 13, 1964 DECREE NO. 185 ON PROTECTING PLANTS, WORKERS AND THE POPULATION FROM IONIZING RADIATION." LEX: LEGISLAZIONE ITALIANA, V. 50 (1964)
EPA
ITALIAN 00/00/64 PGS 503-556 ID# 00690A
RADIATION

THIS PRESIDENTIAL DECREE ON PLANT SAFETY, THE HYGIENIC SAFETY OF WORKERS AND THE PROTECTION OF THE POPULATION AGAINST THE DANGER OF IONIZING RADIATION FROM THE PEACEFUL USE OF NUCLEAR ENERGY, ESTABLISHES BOTH A NUCLEAR ENERGY AUTHORITY AND AN INTER-MINISTERIAL COUNCIL FOR COORDINATION. IT ALSO LISTS NORMS FOR SETTING ZONES FOR THE MINING OF RADIOACTIVE MATERIALS AND FOR THE POLICE AND SUPERVISION OF SUCH ZONES, AS WELL AS NORMS FOR THE STORAGE, TRADE IN, OR SALE OF CRUDE OR PROCESSED RADIOACTIVE MATERIALS. THE DECREE CONTAINS REGULATIONS GOVERNING AND PROTECTING PLANTS AND WORKERS ENGAGED IN TASKS INVOLVING RADIATION EXPOSURE AND REGULATIONS FOR SHIELDING THE GENERAL POPULATION AND THE ENVIRONMENT AND FOR COPING WITH RADIATION EMERGENCIES.

ITALY
LR(A)

"SEPTEMBER 24, 1968 DECREE . . . TO SPECIFY TYPES OF . . . APPARATUS . . . WHICH MAY ENTAIL RISKS OF IRRADIATION BY IONIZING RADIATION..." INT. DIG. HLTH. LEG., V. 21 WORLD HEALTH ORGANIZATION, COMP.
EPA
ENGLISH 00/00/70 PGS 591 ID# 006908
RADIATION

THE SEPT. 24, 1968 DECREE, NO. 1428, WAS ISSUED BY THE PRESIDENT OF THE REPUBLIC TO SPECIFY THE TYPES OF RADIATION-PRODUCING APPARATUS THE USE OF WHICH MAY ENTAIL RISKS OF IRRADIATION BY BY IONIZING RADIATION FOR WORKERS AND THE POPULATION. POWER TO DEFINE SUCH EQUIPMENT IS DERIVED FROM DECREE NO. 185 OF FEB. 13, 1964. DECREE NO. 1428 SPECIFIES THE USE OF TUBES, VALVES AND OTHER EQUIPMENT WHICH ACCELERATE RADIOACTIVE PARTICLES AT A CERTAIN RATE, AND TELEVISION SETS AT A CERTAIN INTENSITY OF EXPOSURE. THE ITALIAN-LANGUAGE ORIGINAL APPEARS IN GAZZ. UFF., PART I, FEB. 26, 1969, NO. 51, PP. 1227-1228.

EUR
ITALY
LR(A)

"DECEMBER 5, 1969 DECREE . . .TO LAY DOWN THE QUANTITY OF RADIOACTIVITY...
AND EXPOSURE DOSE RATES SUBJECT TO...DECREE NO. 185, FEBRUARY 13, 1964" INT. DIG. OF HLTH.LEG..V.22
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/71 PGS 126-127 ID# 00690C
RADIATION

THE PRESIDENT OF THE REPUBLIC ISSUED DECREE NO 1303 ON DECEMBER 5, 1969 TO LAY DOWN THE QUANTITY OF RADIOACTIVITY, THE SPECIFIC ACTIVITY OR CONCENTRATIONS, AND THE EXPOSURE DOSE RATES SUBJECT TO PROVISIONS OF DECREE NO. 185 OF FEB. 13, 1964. ACTIVITIES CITED IN THIS DECREE ARE: MEDICAL, VETERINARY AND AGRICULTURAL WORK, MINING, AND WORK INVOLVING ADDING RADIOACTIVE MATERIALS TO CONSUMER GOODS. THE ITALIAN-LANGUAGE ORIGINAL APPEARS IN GAZZ. UFF., PART I, MAY 6, 1970, NO. 112, PP. 2788-2790.

ITALY
LR(A)

"JULY 14, 1970 DECREE ... TO LAY DOWN ... THE QUANTITY OF RADIOACTIVITY AND
THE EXPOSURE DATE RATES..." INT. DIG. HLTH.LEG., V. 22.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/71 PGS PP.129 ID# 00690D
RADIATION

ISSUED BY THE MINISTER OF HEALTH IN AGREEMENT WITH THE MINISTER OF INDUSTRY, TRADE AND ARTISAN CRAFTS. THIS DECREE LAYS DOWN THE TOTAL ACTIVITY, RADIONUCLIDE CONCENTRATIONS, AND EXPOSURE DOSES BELOW WHICH THE PROVISIONS OF SECTIONS 91,92,93,94,98,102 AND 105 OF DECREE NO. 185, ISSUED BY THE PRESIDENT OF THE REPUBLIC ON FEBRUARY 13, 1964, ARE NO LONGER APPLICABLE. IT EXEMPTS HYGIENIC AND COSMETIC ARTICLES; LUMINOUS SIGNS, DIALS, CLOCKS AND WATCHES; AND PAINTS FROM THE NOTIFICATION AND LICENSING PROCEDURES PRESCRIBED BY DECREE NO. 185 IF TOTAL RADIOACTIVITY DOES NOT EXCEED THE LIMITS SET FORTH IN SECTION 1 OF THIS LATER DECREE. UNDER THE JULY 14 DECREE, A PERMIT IS REQUIRED FOR ACTIVITIES INVOLVING CONTACT WITH RADIOACTIVE MATERIALS WHEN RADIOACTIVITY IS HIGHER THAN VALUES SET FORTH IN SECTION 1. THE ITALIAN-LANGUAGE ORIGINAL APPEARS IN GAZZ. UFF., PART I, OCT. 8, 1970, NO. 255, PP. 6619-6620.

ITALY
LR(A)

"FEBRUARY 2, 1971 MINISTERIAL DECREE ... MAXIMUM PERMISSIBLE DOSES AND MAXIMUM
PERMISSIBLE CONCENTRATIONS. . ." INT. DIG. OF HTLH. LEG., V. 24
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/73 PGS 171 ID# 00690E
RADIATION

THIS DECREE SPECIFIES THE VALUES OF THE MAXIMUM PERMISSIBLE DOSES AND MAXIMUM PERMISSIBLE CONCENTRATIONS, AND THE VALUES OF RELATIVE BIOLOGICAL EFFECTIVENESS, FOR THE POPULATION AS A WHOLE AND FOR SPECIAL GROUPS OF THE POPULATION, FOR THE PURPOSE OF PROTECTION AGAINST THE DANGERS OF IONIZING RADIATION. IT WAS ISSUED BY THE MINISTER OF HEALTH IN AGREEMENT WITH THE MINISTER OF LABOR AND SOCIAL SECURITY IN PURSUANCE, AMONG OTHER THINGS, OF THE FEB. 13, 1964 PRESIDENTIAL DECREE NO. 185 AND OF DIRECTIVES OF THE EURATOM COUNCIL OF MINISTERS ESTABLISHING BASIC SAFETY STANDARDS FOR THE HEALTH OF THE GENERAL PUBLIC AND WORKERS AGAINST IONIZING RADIATIONS. THE ITALIAN-LANGUAGE TEXT APPEARS IN GAZZETTA UFFICIALE, PT. I, MARCH 6, 1971, P. 1280.

EUR
ITALY
LR(A)

"DEC. 31, 1962 LAW NO. 1860 (IN GAZZ. UFF., 30 GENNAIO, NO. 27) -- ON THE PEACEFUL USE OF NUCLEAR ENERGY." LEX: LEGISLAZIONE ITALIANA, V. 49 (1963)
EPA
ITALIAN 00/00/63 PGS 321-330 ID# 00691A
RADIATION

THIS LAW DEFINES NUCLEAR AND RADIOACTIVE MATERIALS AND RADIOACTIVE WASTES; DESCRIBES WAYS AND MEANS OF UTILIZING URANIUM AND OTHER SIMILAR RADIOACTIVE MATERIALS AND OF CONSTRUCTING NUCLEAR PLANTS WITHIN THE FRAMEWORK OF AGREEMENTS OF THE EUROPEAN ATOMIC ENERGY COMMUNITY; PROVIDES STANDARDS FOR CIVIL DAMAGE CASES RESULTING FROM THE PEACEFUL USE OF NUCLEAR ENERGY AND RADIOACTIVE MATERIALS; AND SETS UP PROVISIONS DEALING WITH PENALTIES AND PATENTS.

ITALY
LR(A)

"DEC. 15, 1970 MINISTERIAL DECREE CONCERNING EXEMPTION FROM THE NOTIFICATION AND AUTHORIZATION PROCEDURES PRESCRIBED BY...LAW NO. 1860." INT. DIG. OF HLTH. LEG., V. 24
WORLD HEALTH ORGANIZATION, COMP.
EPA
ENGLISH 00/00/73 PGS 169 ID# 00691B
RADIATION

THIS DECREE, PROMULGATED BY THE MINISTER OF INDUSTRY, TRADE AND ARTISAN CRAFTS IN AGREEMENT WITH THE MINISTER OF HEALTH, CONCERNS EXEMTPIONS FROM THE NOTIFICATION AND AUTHORIZATION PROCEDURES PRESCRIBED BY THE DEC. 31, 1962 LAW NO. 1860 ON THE PEACEFUL USE OF NUCLEAR ENERGY IN PURSUANCE OF THE DEC. 19 1969 AMENDING LAW NO. 1008. IT PRESCRIBES THOSE CASES IN WHICH EXEMPTIONS ARE ALLOWED, SPECIFICALLY FOR SMALL QUANTITIES OF SPECIAL FISSILE MATERIALS, SOURCE MATERIALS, AND OTHER RADIOACTIVE SUBSTANCES. THE OFFICIAL ITALIAN-LANGUAGE TEXT APPEARS IN GAZZETTA UFFICIALE, PT. I, FEB. 15, 1971, P. 820-821.

ITALY
LR(A)

"DECEMBER 19, 1969 LAW TO AMEND...LAW OF DECEMBER 31, 1962 CONCERNING THE PEACEFUL USE OF NUCLEAR ENERGY" INT. DIG. HLTH. LEG., V. 22.
WORLD HEALTH ORGANIZATION, COMP.
EPA
ENGLISH 00/00/71 PGS P. 127 ID# 00691C
RADIATION

LAW NO. 1008 OF DEC. 19, 1969, ISSUED BY THE MINISTER OF INDUSTRY, TRADE AND ARTISAN CRAFTS IN AGREEMENT WITH THE MINISTER OF HEALTH AFTER CONSULTATION WITH THE NATIONAL COMMITTEE FOR NUCLEAR ENERGY, AMENDS LAW NO. 1860 OF DEC. 31, 1962 INVOLVING THE PEACEFUL USE OF NUCLEAR ENERGY. IT EXEMPTS FROM THE NOTIFICATION AND LICENSING PROCEDURE DESCRIBED IN LAW NO. 1860 THE POSSESSION AND TRANSPORT OF, AND TRADE IN, SMALL QUANTITIES OF SPECIAL FISSIONABLE MATERIALS, SOURCE MATERIAL, AND OTHER RADIOACTIVE MATERIALS. THE ITALIAN-LANGUAGE ORIGINAL APPEARS IN GAZZ. UFF., PART I, JAN. 7, 1970, NO. 4, P. 68.

EUR
ITALY
LR(A)

"DECEMBER 30, 1970 DECREE NO. 1450 . . . ON THE RECOGNITION OF PERSONS AS SUITABLE FOR THE TECHNICAL OPERATION OF NUCLEAR INSTALLATIONS." INT. DIG. OF HLTH. LEG. V. 24
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/73 PGS 171 ID# 01032A
RADIATION

THIS DECREE ISSUED BY THE PRESIDENT OF ITALY EMBODIES REGULATINGS CONCERNING RECOGNITION OF THE TECHNICAL QUALIFICATIONS OF PERSONNEL ASSIGNED TO OPERATE NUCLEAR INSTALLATIONS. THE OFFICIAL ITALIAN-LANGUAGE TEXT APPEARS IN GAZZETTA OFFICIALE, PT. I, MAY 15, 1971, P. 2906-2912.

ITALY
LR(A)

"DECEMBER 15, 1971 LAW NO. 1240 . . . CONCERNING THE REORGANIZATION OF THE NATIONAL COMMITTEE FOR NUCLEAR ENERGY (CNEN)." INT. DIG. OF HLTH. LEG., V. 24
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/73 PGS 177 ID# 01298A
RADIATION

THIS LAW REORGANIZES THE NATIONAL COMMITTEE FOR NUCLEAR ENERGY AND REPEALS MANY PROVISIONS CONTAINED IN THE AUG. 11, 1960 LAW NO. 933 THAT SET UP THE COMMITTEE. FUNCTIONS ASSIGNED TO THIS COMMITTEE INCLUDE CONTROL OF NUCLEAR SAFETY AND THE HEALTH PROTECTION OF WORKERS AND THE POPULATION AGAINST IONIZING RADIATION HAZARDS AND THE CONTROL OF SPECIAL FISSILE MATERIALS, SOURCE MATERIAL, AND ORES. THE OFFICIAL ITALIAN-LANGUAGE TEXT OF THIS LAW APPEARS IN GAZZETTA UFFICIALE, PT. 1, JAN. 24, 1972, P. 611-615.

ITALY
LR(A)

LEGGI SANITARIE. TESTO UNICO 27 LUGLIO 1934 N. 1265 (SANITARY LAWS. UNIFIED TEXT OF JULY 27, 1934, NO. 1265)
EPA
ITALIAN 00/00/72 PGS 69-74 ID# 00835A
SOLID WASTE WATER

CHPATERS 4,5, AND 6 OF THIS TEXT COMPRISE GENERAL REGULATIONS FOR THE ASSURANCE OF SANITARY MEASURES IN ALL COMMUNITIES, BOTH URBAN AND RURAL. THESE REGULATIONS APPLY PRIMARILY TO EFFLUENTS, EXCREMENTAL MATTER, AND REFUSE. THE LEGISLATION EMPOWERS THE ADMINISTRATIVE AUTHORITIES, SUCH AS PREFECTS, COMMUNAL HEADS, AND POLICE TO ENFORCE FULLY ALL LAWS RELATING TO THE PROTECTION OF THE ENVIRONMENT.

EUR
ITALY
LR(A)

"URBAN SOLID WASTE LAW OF MARCH 20, 1941, NO. 366." LE LEGGI DI USO COMUNE
AZZARATI, GAETANO, COMP.
ITALIAN EPA
SOLID WASTE PGS 6472-6478 ID# 00836A

THIS LAW DEALS EXTENSIVELY WITH THE PROBLEMS OF SOLID WASTE, INCLUDING ITS COLLECTION, TRANSPORTATION AND ELIMINATION. IT PROVIDES THAT THE HIGHEST AUTHORITIES IN THE MATTER OF SOLID WASTES SHALL BE THE MINISTER OF THE INTERIOR AND HIS REPRESENTATIVES AS WELL AS THE POLICE AUTHORITIES. THE LAW FURTHER PROVIDES THAT THE HANDLING AND REMOVAL OF SOLID WASTES ARE THE RESPONSIBILITIES OF EACH COMMUNE. EACH COMMUNE MAY UNDERTAKE AND CARRY OUT THESE RESPONSIBILITIES EITHER DIRECTLY OR INDIRECTLY THROUGH CONCESSIONS TO PRIVATE CONCERNS. IT ALSO PRESCRIBES THAT THE COMMUNE AUTHORITIES SHALL IMPOSE A TAX FOR THE RENDERING OF WASTE DISPOSAL SERVICES.

ITALY
LR(A)

INQUINAMENTO DI ACQUE E CODICE PENALE (WATER POLLUTION AND THE PENAL CODES)
VERONESI, G., COMP.
ITALIAN EPA
WATER RADIATION 00/00/71 PGS 57-97 ID# 00527A

THE CITED PAGES OF THIS WORK REPRODUCE THE TEXT OF THOSE ITALIAN LAWS THAT CONCERN, IN WHOLE OR IN PART, WATER POLLUTION AND ITS PREVENTION. THE LEGISLATION COVERED INCLUDES PERTINENT SECTIONS OF THE PENAL AND CIVIL CODES; REGULATIONS FOR THE IMPLEMENTATION OF THE LAW FOR THE PROTECTION OF HYGIENE AND PUBLIC HEALTH; LAW REQUIRING THE APPROVAL OF CERTAIN CONSTRUCTION PROJECTS; FISHING REGULATIONS; DIRECTIVES ON THE DERIVATION AND UTILIZATION OF PUBLIC WATERS; ORDINANCE FOR THE PROTECTION OF THE POPULATION AGAINST THE DANGERS OF RADIATION FROM NUCLEAR-ENERGY FACILITIES; AND THE LAW IMPLEMENTING THE CONVENTION FOR THE PROTECTION OF POLLUTION OF THE SEA BY OIL. INCLUDED ALSO ARE A CLASSIFICATION OF THE CHIEF LOCAL AND PROVINCIAL LAWS RELATING TO WATER POLLUTION AND A CHRONOLOGICAL LISTING OF LAWS THAT ARE APPLICABLE TO WATER POLLUTION.

ITALY
LR(A)

"MARCH 3, 1971 LAW NO. 123 CONCERNING THE BIODEGRADABILITY OF SNYTHETIC DETERGENTS." INT. DIG. OF HLTH. LEG., V. 24
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH EPA
WATER 00/00/73 PGS 173-174 ID# 00527B

THIS LAW STATES THAT, TO PROTECT SURFACE AND GROUND WATERS FROM POLLUTION CAUSED BY THE USE OF DETERGENTS, SYNTHETIC DETERGENTS CONTAINED IN WASHING AND CLEANING COMPOUNDS AND SYNTHETIC DETERGENTS AS SUCH MUST BE AT LEAST 80% BIODEGRADABLE. COMPLIANCE MUST NO RESULT IN THE USE OF DETERGENTS WHICH UNDER CONDITIONS OF NORMAL USE ARE LIABLE TO IMPAIR THE HEALTH OF HUMANS OR ANIMALS. NON-CONFORMING PRODUCTS MAY NOT BE MANUFACTURED, SOLD OR IMPORTED. THE USE OF THESE NON-CONFORMING PRODUCTS BY INDUSTRIAL FACILITIES OR PUBLIC ENTERPRISES IS PROHIBITED. THE LAW FURTHER STIPULATES THAT CONTAINERS OR PACKAGING LABELS MUST STATE LEGIBLY THE NAME OF THE PRODUCT, FIRM OR REGISTERED TRADEMARK, ADDRESS OF THE MANFACTURER, PERCENTAGE OF BIODEGRADABILITY, INSTRUCTIONS FOR USE, AND NET WEIGHT OR VOLUME. THE OFFICIAL ITALIAN-LANGUAGE TEXT OF THIS LAW APPEARS IN GAZZETTA UFFICIALE, PT. I, APRIL 3, 1971, P. 1989.

EUR
ITALY
LR(B)

EFFLUENTI IDRICI INDUSTRIALI (INDUSTRIAL EFFLUENTS)
NASO, ROMUALDO LOC (LAW) ITALY 7 NASO
ITALIAN 05/04/71 PGS 1-120 ID# 02316A
*ALSO INTERNAT'L/ALSO SE,ST & LRA
WATER

THIS BOOK DISCUSSES VARIOUS ASPECTS OF INDUSTRIAL WATER POLLUTION IN ITALY, WITH REFERENCES TO WATER POLLUTION LEGISLATION AND STANDARDS IN OTHER EUROPEAN COUNTRIES. CHAPTER I LISTS AND DEFINES VARIOUS WATER POLLUTANTS. CHAPTER II BRIEFLY DISCUSSES WATER POLLUTION LEGISLATION IN ITALY, GREAT BRITAIN, THE FEDERAL REPUBLIC OF GERMANY AND SWITZERLAND. PHYSICAL, CHEMICAL AND BIOLOGICAL TREATMENTS OF INDUSTRIAL EFFLUENTS ARE DEALT WITH IN CHAPTER III, AND THE FACTORS INVOLVED IN THE COST OF SUCH PURIFICATION PROCESSES ARE DISCUSSED IN CHAPTER IV. APPENDIXES CONTAIN QUANTITATIVE CLEAN WATER STANDARDS IN GREAT BRITAIN, THE FEDERAL REPUBLIC OF GERMANY AND SWITZERLAND, IN ADDITION TO AN ITALIAN DRAFT LAW ON WATER PROTECTION AND THE TEXT OF ITALY'S MARCH 3, 1971 LAW ON THE BIODEGRADABILITY OF SYNTHETIC DETERGENTS.

ITALY
LR(B)

INQUINAMENTO IDRICO E LEGISLAZIONE PENALE (WATER POLLUTION AND PENAL LEGISLATION)
AMENDOLA, GIANFRANCO LOC (LAW) ITALY 7 AMEN
ITALIAN 00/00/72 PGS 1-396 ID# 02318A
*ALSO INTERNAT'L/ALSO LRA
WATER

THIS BOOK PRESENTS AN INTERPRETATIVE DISCUSSION OF ENFORCEMENT AND PENAL PROCEDURES WITH REGARD TO WATER POLLUTION IN ITALY, IN VIEW OF THE LACK OF COMPREHENSIVE WATER POLLUTION CONTROL LEGISLATION. AFTER AN INTRODUCTORY CHAPTER ON THE CAUSES, EFFECTS AND REMEDIES OF WATER POLLUTION, THE BOOK DEALS WITH THE VARIOUS TYPES OF OFFENSES RELATIVE TO WATER POLLUTION WHICH VIOLATE THE PENAL CODE, FISHING LAWS OR GENERAL SANITATION LAWS. THE THEORETICAL PENAL RESPONSIBILITY OF PUBLIC OFFICIALS IN THIS CONTEXT IS ALSO EMPHASIZED. BRIEF OUTLINES OF PENAL LEGISLATION RELATIVE TO WATER POLLUTION IN THE UNITED STATES, FRANCE, SWITZERLAND, GREAT BRITAIN AND GERMANY ARE PROVIDED. FINALLY, THE BOOK INCLUDES A DISCUSSION OF AN ITALIAN DRAFT LAW ENCOMPASSING ALL WATER PROTECTION REGULATIONS AND AN APPENDIX PRESENTS THE TEXTS OF ALL EXISTING ITALIAN LAWS AND DECREES CONTAINING PROVISIONS FOR WATER POLLUTION CONTROL.

EUR
ITALY
LR(A)

"JUNE 20, 1896 MINISTERIAL INSTRUCTIONS: COMPILATION OF LOCAL REGULATIONS ON HYGIENE OF SOIL AND DWELLINGS." INQUINAMENTO IDRICO E LEGISLAZIONE PENALE
AMENDOLA, GIANFRANCO, COMP. EPA
ITALIAN 00/00/72 PGS 284-289 ID# 02322A
WATER

SECTION II OF THESE MINISTERIAL INSTRUCTIONS, DATED JUNE 20, 1896, DEALS WITH THE HYGIENIC CLEANLINESS OF SURFACE WATER IN ITALY. ARTICLE 17 EMPOWERS MUNICIPAL AUTHORITIES TO ESTABLISH THE DISTANCE DOWNSTREAM FROM A CITY OR OTHER POPULATED AREA AT WHICH SEWERS OR CANALS CARRYING WASTEWATER CAN BE DISCHARGED INTO A WATERCOURSE WITHOUT HARM TO PUBLIC HEALTH. UNDER ARTICLE 18, PREFECTURAL AUTHORITIES CAN REQUIRE THE PURIFICATION OF WASTEWATER BEFORE ITS INFUSION INTO A WATERCOURSE IF ITS CAPACITY FOR SELF-PURIFICATION IS FOUND TO BE INSUFFICIENT. FINALLY, THE DISCHARGE OF BULKY OR DANGEROUS INDUSTRIAL WASTES INTO LAKES, WATERCOURSES, AND CANALS IS FORBIDDEN WITHOUT A PERMIT FROM THE PREFECT WHICH IS CONTINGENT ON SUFFICIENT PURIFICATION OF WASTEWATER, IN ACCORDANCE WITH ARTICLES 21, 22 AND 23.

ITALY
LR(A)

"OCTOBER 8, 1931 ROYAL DECREE-LAW: SINGLE TEXT OF LAWS ON FISHING."
INQUINAMENTO IDRICO E LEGISLAZIONE PENALE
AMENDOLA, GIANFRANCO, COMP. EPA
ITALIAN 00/00/72 PGS 320-323 ID# 02323A
WATER

ACCORDING TO ARTICLE 9 OF THIS DECREE-LAW, DATED OCTOBER 8, 1931, INDUSTRIAL ESTABLISHMENTS, BEFORE DISCHARGING WASTES INTO PUBLIC WATERS, MUST OBTAIN A PERMIT FROM THE PRESIDENT OF THE PROVINCIAL COMMITTEE (GIUNTA) WHICH WILL PRESCRIBE MEASURES TO BE TAKEN IN ORDER TO PREVENT HARM TO THE FISHING INDUSTRY. IN ADDITION, THE PRESIDENT OF THE PROVINCIAL GIUNTA IS EMPOWERED TO ORDER MODIFICATIONS IN THE DISPOSITION OF PERMITS PREVIOUSLY ISSUED AND TO ORDER POLLUTING INDUSTRIAL ENTERPRISES TO UNDERTAKE OPERATIONS TO REPOPULATE THE FISH SUPPLY.

ITALY
LR(A)

"JULY 27, 1934 ROYAL DECREE: SINGLE TEXT OF SANITARY LAWS." INQUINAMENTO IDRICO
E LEGISLAZIONE PENALE
AMENDOLA, GIANFRANCO, COMP. EPA
ITALIAN 00/00/72 PGS 342-345 ID# 02325A
WATER AIR

THIS TEXT OF SANITARY LAWS, DATED JULY 27, 1934, CONTAINS PROVISIONS FOR THE PROTECTION OF SURFACE WATER, GROUNDWATER AND THE ATMOSPHERE IN ITALY, INCLUDING AN ENUNCIATION OF THE PENALTIES ELICITED BY VARIOUS TYPES OF OFFENSES. ARTICLE 202 PROHIBITS ANY OPERATIONS WHICH WOULD HARMFULLY MODIFY THE LEVEL OF GROUNDWATER OR THE NATURAL FLOW OF SURFACE WATER. UNDER ARTICLE 217, THE MAYOR OF A MUNICIPALITY IS EMPOWERED TO PRESCRIBE AND ENFORCE MEASURES FOR THE PREVENTION OF DANGER TO PUBLIC HEALTH RESULTING FROM VAPORS, GAS OR OTHER FUMES, DRAINAGE OF WATER, OR SOLID OR LIQUID REFUSE FROM FACTORIES. ARTICLES 226 AND 227 PROHIBIT THE DISCHARGE FROM SEWERS AND CANALS OF LIQUID WASTES INTO WATERCOURSES UNLESS PURIFICATION OF THE WASTEWATER HAS BEEN EFFECTED. ACCORDING TO ARTICLE 249, IT IS AN OFFENSE TO CONTAMINATE WATER IN FOUNTAINS, POOLS, WELLS, CANALS, AQUEDUCTS OR RESERVOIRS OF DRINKING WATER. FINALLY, ARTICLE 344 STATES THAT LOCAL HYGIENE REGULATIONS ARE TO ASSURE THE PURITY OF DRINKING WATER.

EUR
ITALY
LR(A)

"JULY 14, 1965 LAW: MARITIME FISHING RULES." INQUINAMENTO IDRICO E LEGISLAZIONE PENALE
AMENDOLA, GIANFRANCO, COMP.
EPA
ITALIAN 00/00/72 PGS 387-393 ID# 02326A
WATER

THIS LAW, DATED JULY 14, 1965, CONTAINS PROVISIONS RELATIVE TO THE CONTROL OF POLLUTION OF SEA WATER IN ORDER TO PROTECT THE BIOLOGICAL RESOURCES OF THE SEA. ARTICLE 15(E) PROHIBITS THE DIRECT OR INDIRECT DISCHARGE OF POLLUTING SUBSTANCES INTO SEA WATER. POLLUTANTS ARE DEFINED AS SUBSTANCES WHICH CONSTITUTE A DIRECT DANGER TO FISH OR WHICH CAUSE HARMFUL CHEMICAL OR PHYSICAL ALTERATIONS OF THE AQUATIC ENVIRONMENT. VIOLATIONS OF THESE REGULATIONS ARE PUNISHABLE BY A FINE OF 1,000,000 LIRE OR UP TO TWO YEARS IMPRISONMENT.

ITALY
LR(A)

"OCTOBER 2, 1968 PRESIDENTIAL DECREE: REGULATIONS FOR THE EXECUTION OF THE LAW OF JULY 14, 1965, CONCERNING FISHING IN THE SEA." INQUINAMENTO IDRICO E LEGISLAZIONE PENALE
AMENDOLA, GIANFRANCO, COMP.
EPA
ITALIAN 00/00/72 PGS 393-394 ID# 02326B
WATER

THIS DECREE, DATED OCTOBER 2, 1968, PROVIDES THE REGULATIONS FOR EXECUTION OF THE JULY 14, 1965 LAW ON FISHING IN THE SEA. UNDER ARTICLE 145, AN AUTHORIZATION FROM THE CHIEF OF THE MARITIME DEPARTMENT IS REQUIRED FOR THE DISCHARGE INTO SEA WATER OF REFUSE FROM INDUSTRIAL WORKS OR PUBLIC UTILITIES. SUCH AUTHORIZATION IS SUBJECT TO THE INSTALLATION OF TECHNICAL DEVICES CAPABLE OF ELIMINATING AND NEUTRALIZING POTENTIALLY POLLUTING SUBSTANCES, ACCORDING TO ARTICLE 148. FURTHERMORE, ARTICLES 150 AND 151 STATE THAT THE CHIEF OF THE MARITIME DEPARTMENT MUST EXAMINE PURIFICATION FACILITIES BEFORE ISSUING PERMITS, AND MAY PERFORM INSPECTIONS AT ANY TIME THEREAFTER TO ASSURE THAT THE CONDITIONS OF THE PERMITS REMAIN IN FORCE. DISCHARGE PERMITS MAY BE REVOKED WHEN, EVEN IF INDEPENDENT OF THE INDUSTRIAL ACTIVITY TAKING PLACE, POLLUTION CANNOT BE SUFFICIENTLY ELIMINATED BY THE EXISTING PURIFICATION SYSTEMS.

ITALY
LR(A)

"MARCH 5, 1963 LAW: NEW STANDARDS RELATIVE TO THE LAGOONS OF VENICE AND MARANO-GRADO." INQUINAMENTO IDRICO E LEGISLAZIONE PENALE
AMENDOLA, GIANFRANCO, COMP.
EPA
ITALIAN 00/00/72 PGS 369-375 ID# 02328A
WATER

THIS LAW, DATED MARCH 5, 1963, REGULATES THE DISCHARGE OF WASTES INTO THE LAGOONS OF VENICE AND MARANO-GRADO. UNDER ARTICLE 10, IT IS PROHIBITED TO DISPERSE POLLUTING SUBSTANCES INTO THE LAGOONS. INDUSTRIES INTENDING TO CONDUCT SUCH ACTIVITIES MUST INSTALL PURIFICATION FACILITIES WHICH ARE APPROVED BY SANITATION AND WATER AUTHORITIES. ARTICLE 20 STATES THAT THE OFFICE OF CIVIL ENGINEERS OR THE OFFICE OF THE HARBOR-MASTER MUST AUTHORIZE ANY DISCHARGE INTO LAGOONS OF LIQUID OR SOLID SUBSTANCES FROM SHIPS. FURTHERMORE, THE LAW DESIGNATES VARIOUS LOCAL OFFICIALS AS RESPONSIBLE FOR THE ENFORCEMENT OF REGULATIONS. VIOLATORS OF THE LAW MAY BE PUNISHED BY A FINE OF UP TO 300,000 LIRE AND MAY BE OBLIGATED TO RESTORE POLLUTED WATERS TO THEIR ORIGINAL STATE.

EUR
ITALY
LR(A)

"FEB. 23, 1961 LAW: ACCEPTANCE OF THE INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION OF SEAWATER BY HYDROCARBONS." INQUINAMENTO IDRICO E LEGISLAZIONE PENALE
AMENDOLA, GIANFRANCO, COMP.
EPA
ITALIAN 00/00/72 PGS 352 ID# 02330A
WATER

THIS LAW, DATED FEBRUARY 23, 1961, AUTHORIZES THE PRESIDENT OF ITALY TO ADOPT AND EXECUTE THE PROVISIONS OF THE INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION OF SEA WATER BY HYDROCARBONS WHICH WAS SIGNED AT LONDON ON MAY 12, 1954.

ITALY
LR(A)

"JAN. 14, 1970 LAW: ACCEPTANCE OF AMENDMENTS OF THE INTERNATIONAL CONVENTION FOR THE PREVENTION OF HYDROCARBON POLLUTION OF SEA WATER." INQUINAMENTO IDRICO . . PENALE
AMENDOLA, GIANFRANCO, COMP.
EPA
ITALIAN 00/00/72 PGS 395 ID# 02330B
WATER

THIS LAW, DATED JANUARY 14, 1970, AUTHORIZES THE PRESIDENT OF ITALY TO ACCEPT AND EXECUTE THE AMENDMENTS AND ANNEXES A AND B OF THE MAY 12, 1954 INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION OF SEA WATER BY HYDROCARBONS, WHICH WERE ADOPTED AT LONDON ON APRIL 11, 1962.

ITALY
PM(B)

OUTLINE OF AIR POLLUTION MONITORING AND RESEARCH IN ITALY
EPA
ENGLISH 09/12/71 PGS 1-5 ID# 02500A
AIR

THIS REPORT, PREPARED FOR THE 1972 UNITED NATIONS CONFERENCE ON THE HUMAN ENVIRONMENT IN STOCKHOLM DESCRIBES ITALY'S AIR POLLUTION MONITORING SYSTEM AND OUTLINES THE VARIOUS INSTITUTIONAL PROGRAMS OF AIR POLLUTION RESEARCH. APPENDED TO THE REPORT ARE THE FOLLOWING FOUR ANNEXES: 1) A NATIONAL AIR POLLUTION CONTROL ORGANIZATIONAL CHART, 2) A GEOGRAPHICAL GUIDE TO THE PARTICULATE MATTER MONITORING SITES, 3) A GEOGRAPHICAL GUIDE TO THE SO2 MONITORING SITES, AND 4) AN AMBIENT AIR QUALITY STANDARDS TABLE.

EUR
ITALY
PM(B)

NOISE: DISTURBANCE AND SAFETY IN TRAFFIC
CENTRO PROVE AUTOVEICOLI E DISPOSITIV' DE ROMA, ED. EPA
ENGLISH 00/00/72 PGS 1-131 ID# 01722A
ALSO LRB
NOISE

EDITED BY THE ROME TESTING CENTER FOR MOTOR VEHICLES AND DEVICES, THIS BOOK ILLUSTRATES THE MEANS USED BY THE GENERAL DIRECTORATE OF CIVIL MOTOR TRAFFIC AND TRANSPORT IN CONCESSION FOR REDUCING NOISE CAUSED BY MOTOR VEHICLES AND REPORTS THE RESULTS ACHIEVED. THE INTRODUCTION POINTS UP THE GENERAL PROBLEM OF NOISE POLLUTION AND THE EXTENT TO WHICH ITALIAN AND FOREIGN LEGISLATION HAS BEEN SUCCESSFUL IN ABATING UNWANTED MOTOR VEHICLE NOISE. THE BOOK DISCUSSES MEANS FOR SILENCING VEHICLE ENGINE NOISE, INSTRUMENTS USED IN ITALY FOR CHECKING NOISE LEVELS, ACOUSTICS AS A SIGNALLING DEVICE, AND THE OPERATION OF THE PHONOMETRIC DIVISION OF THE ROME TESTING CENTER.

ITALY
PM(B)

"RADIOACTIVE WASTE DISPOSAL WITH SPECIAL REFERENCE TO THE ITALIAN SITUATION."
ROTIZARIO, V. 19, N. 4
EPA
ITALIAN 04/00/73 PGS 73-106 ID# 01798A
RADIATION

THIS REPORT, PREPARED BY A STUDY GROUP ORGANIZED BY THE RADIATION DEPARTMENT OF THE NATIONAL COMMITTEE FOR NUCLEAR ENERGY, PROBES THE PROBLEMS CONCERNED WITH THE FINAL DISPOSITION OF LOW-, MEDIUM-, AND HIGH-LEVEL RADIOACTIVE WASTES, WITH PARTICULAR ATTENTION TO ITALY'S CURRENT AND PROJECTED SITUATION. DISCUSSED ARE THE CURRENT AND FUTURE PRODUCTION OF RADIOACTIVE WASTES IN ITALY, RADIO-PROTECTION IN THE MANAGEMENT OF THESE WASTES, THEIR TREATMENT, AND THE ELIMINATION OF LIQUID, SOLID, AND GAS WASTES. CONCLUSIONS OF THE REPORT DEAL WITH THE TEMPORARY STORAGE OF RADIOACTIVE WASTES IN A LIQUID STATE, THE SOLIDIFICATION OF WASTES, THE TRANSPORT OF WASTES, AND THEIR DISPOSAL IN DEEP GEOLOGICAL FORMATIONS. ATTACHED TO THE REPORT IS A 54-ITEM, INTERNATIONAL BIBLIOGRAPHY ON RADIOACTIVE WASTE DISPOSAL.

ITALY
PM(B)

L'INQUINAMENTO DELLE ACQUE COSTIERE ITALIANE (POLLUTION OF ITALIAN COASTAL WATERS)
BARLETTA, GIORGIO, AND ROBERTO MARCHETTI EPA
ITALIAN 00/00/71 PGS 1-613 ID# 01801A
WATER

THIS BOOK, PUBLISHED AS VOLUME 9 (1971) BY THE INSTITUTE OF WATER RESEARCH (INSTITUTO DI RICERCA SULLE ACQUE), DISCUSSES THE CURRENT STATE OF KNOWLEDGE OF ITALIAN COASTAL POLLUTION, FACTORS INVOLVED IN THE QUANTIFICATION OF THE POLLUTION LOAD, EVALUATION OF THE POLLUTION LOAD, AN EXAMINATION OF THE RESULTS, AND A DESCRIPTION OF THE CURRENT SITUATION. ATTENTION IS GIVEN TO THE IMPACT ON COASTAL POLLUTION BY THE POPULATION, TOURISM, INDUSTRY, PETROLEUM FACILITIES, AND MARITIME TRAFFIC. THE BOOK HAS AN EXTENSIVE BIBLIOGRAPHY AND NUMEROUS CHARTS AND TABLES.

EUR
ITALY
SE( )

ATTI DELLA GIORNATA DI STUDIO SU DANNI DA ANTIPARASSITARI (POSITION OF THE STUDY GROUP ON DAMAGE FROM ANTI-PARASITE PRODUCTS)
ITALIAN INSTITUTE OF SOCIAL MEDICINE EPA
ITALIAN 04/12/66 PGS 148-152 ID# 00647A
ALSO LRB
PESTICIDES

THE CITED PAGES SUMMARIZE AND DISCUSS THE PROVISIONS OF THE ITALIAN UNIFIED HEALTH CODE THAT PERTAIN TO THE TRADE IN AND SALE OF POISONOUS PRODUCTS AND THE MINISTERIAL CIRCULARS THAT PERTAIN SPECIFICALLY TO INSECTICIDES AND DISINFECTANTS USED IN AGRICULTURE. THE CIRCULARS REQUIRE THE REGISTRATION OF SUCH PRODUCTS AND THEIR PROPER LABELING. THE USE OF INSECTICIDES AND SIMILAR PRODUCTS, IT IS CONCLUDED, CONSTITUTE A SERIOUS SOCIO-MEDICAL PROBLEM, INVOLVING NOT ONLY AGRICULTURE AND INDUSTRY BUT THE ENTIRE CONSUMING POPULATION BY REASON OF THE PERSISTENCY OF THE RESIDUES OF SUCH PRODUCTS. THESE SHOULD BE STUDIED MORE THOROUGHLY WITH THE VIEW OF DEVELOPING EFFECTIVE CONTROLS.

ITALY
SE( )

LEGISLATION. GLI ANTIPARASSITARI AGRICOLI.
FINI F EPA
ITALIAN 00/00/70 PGS 71-73 ID# 00649A
ALSO LRB
PESTICIDES

THIS ARTICLE ON LEGISLATION PERTAINING TO AGRICULTURAL PARASITICIDES LISTS SEVEN TYPES OF ILLNESSES ATTRIBUTABLE TO THE HANDLING AND USE OF SUBSTANCES USED TO PROTECT PLANTS AND CLASSIFIES PESTICIDES INTO FOUR CATEGORIES ON THE BASIS OF TOXICITY. THE ARTICLE CALLS FOR A TIGHTENING OF EXISTING REGULATIONS ON PESTICIDES CONTROL.

LIECHTENSTEIN
LR(A)

"JUNE 4, 1957 LAW FOR THE PROTECTION OF WATERS AGAINST POLLUTION (WATER PROTECTION LAW)." LIECHTENSTEINISCHES LANDESGESETZBLATT, V. 1957, NO. 14
EPA
GERMAN 07/25/57 PGS 1-16 ID# 01076A
WATER SOLID WASTE

THIS LAW, APPLICABLE TO ALL SURFACE AND GROUND WATERS, PUBLIC OR PRIVATE, NATURAL OR ARTIFICIAL, IS DESIGNED TO PROTECT THE WATERS OF LIECHTENSTEIN AGAINST POLLUTION. IT AUTHORIZES ALL NEXESSARY MEASURES TO BE TAKEN TO THE EXTENT THAT THEY ARE REQUIRED FOR THE PROTECTION OF THE HEALTH OR MAN AND ANIMAL, FOR THE USE OF GROUND AND SPRING WATERS AS DRINKING WATER, AND FOR THE PROCESSING OF SURFACE WATERS FOR PERSONAL AND INDUSTRIAL USE. THE LAW IS ALSO DESIGNED TO PROTECT FISHING WATERS AND BOTH STRUCTURES AND LANDSCAPE FROM WATER DAMAGE. THE LAW AUTHORIZES THE GOVERNMENT TO PRESCRIBE THE DEGREE OF PURITY IN WASTEWATERS WITH THE VIEW OF PREVENTING WATER POLLUTION OR AT LEAST OF REDUCING IT TO A LEVEL NOT HARMFUL TO HEALTH. THE LAW BANS THE DUMPING OR STORAGE OF SOLID WASTES IN THE COUNTRY'S WATERS. OTHER ARTICLES COVER COMMUNITY WATER RIGHTS, INTERNATIONAL WATERS, STATE CONTRIBUTIONS FOR THE CONSTRUCTION OF FACILITIES TO PREVENT WATER POLLUTION, CONTROL MEASURES, ENFORCEMENT MEASURES, EXPROPRIATION, AND PENALTIES FOR VIOLATION.

EUR
LIECHTENSTEIN
LR(A)

"FEBRUARY 12, 1968 DECREE TO THE WATER PROTECTION LAW." LIECHTENSTEINISCHES LANDESGESETZBLATT, V. 1968, NO. 9

EPA
GERMAN 02/29/68 PGS 1-2 ID# 01076B
WATER

THIS DECREE TRANSFERS TO THE WATER PROTECTION OFFICE A NUMBER OF RESPONSIBILITIES UNDER THE WATER PROTECTION LAW. AMONG THOSE TRANSFERRED ARE THE APPROVAL FOR THE INTRODUCTION OF WASTE-WATERS AND OTHER LIQUID AND GASEOUS MATERIALS INTO GROUND OR SURFACE WATERS, FOR THE ESTABLISHMENT OF DISPOSAL DUMPS AND THE SETTING UP OR MODIFYING OF STORAGE TANKS, AS WELL AS APPROVAL FOR THE CONNECTING OF PRIVATE INDUSTRIAL CLARIFICATION PLANTS TO PUBLIC FACILITIES.

LIECHTENSTEIN
LR(A)

"JULY 7, 1970 DECREE ON OIL AND GASOLINE TANK STORAGE FACILITIES." LIECHTENSTEINISCHES LANDESGESETZBLATT, V. 1970, NO. 24

EPA
GERMAN 07/17/70 PGS 1-2 ID# 01076C
WATER

THIS DECREE REQUIRES THAT FACILITIES FOR THE STORAGE OF OIL AND GASOLINE MAY ONLY BE BUILT OR MODIFIED WITH THE APPROVAL OF WATER PROTECTION OFFICE AND THAT THESE FACILITIES MEET THE TECHNICAL AND CONSTRUCTION PREREQUISITES SET FORTH BY THAT OFFICE. NEW GASOLINE TANKS MUST HAVE DOUBLE TANK WALLS AND A MONITORING DEVICE. THEY ARE TO BE PLACED BELOW GROUND LEVEL. NEW TANKS FOR THE STORAGE OF OIL MUST BE PLACED ABOVE GROUND. EXISTING STORAGE TANKS ARE NOT AFFECTED BY THIS DECREE AS LONG AS CERTAINITY EXISTS THAT THE STORED FUEL CANNOT ESCAPE AS A RESULT OF TANK DEFECTS. THE DECREE ALSO REQUIRES THAT A PERIODIC REVIEW OF THE TANKS BE MADE AND THAT NECESSARY REPAIRS BY MADE AT THE OWNER'S COSTS.

LIECHTENSTEIN
LR(A)

"APRIL 27, 1971 DECREE ON TANK STORAGE FACILITIES FOR OIL, GASOLINE, AND OTHER WATER-ENDANGERING LIQUIDS." LIECHTENSTEINISCHES LANDESGESETZBLATT, V. 1971, NO. 25

EPA
GERMAN 05/13/71 PGS 1-3 ID# 01076D
WATER

THIS DECREE MAKES MANDATORY APPROVAL BY THE WATER PROTECTION OFFICE FOR THE CONSTRUCTION OR MODIFICATION OF TANK STORAGE FACILITIES FOR OIL, GASOLINE, AND OTHER WATER-ENDANGERING LIQUIDS. IT REQUIRES THAT THESE FACILITIES MEET THE TECHNICAL AND CONSTRUCTION PREREQUISITES ESTABLISHED BY THAT OFFICE. THE DECREE PRESCRIBES REGULATIONS FOR THE PLACEMENT OF THESE FACILITIES AND (DIFFERING FROM THE JULY 7, 1970 DECREE ON THIS SUBJECT) STATES THAT THE TANK FACILITIES MAY BE CONSTRUCTED FROM SHEET STEEL OR SYNTHETIC MATERIALS. EXISTING TANKS ARE NOT AFFECTED TO THE EXTENT THAT NO DANGER OF LEAKAGE EXISTS. A PERIODIC REVIEW OF THE TANK FACILITIES IS REQUIRED. SHOULD THE DANGER OF LEAKAGE EXIST, THEN THE FACILITY MUST BE EITHER REPARED OR REMOVED AT THE OWNER'S COST.

EUR
LIECHTENSTEIN
LR(A)

"JUNE 1, 1971 DECREE ON INDIVIDUAL, NON-CONNECTED PURIFICATION PLANTS." LIECHTENSTEINISCHES LANDESGESETZBLATT, V. 1971, NO. 28

GERMAN 06/28/71 PGS 1-3 EPA ID# 01076E
WATER

THIS DECREE PRESCRIBES THE CONDITIONS OF USE AND THE OPERATING AND MAINTENANCE REQURIEMENTS FOR INDIVIDUAL, NON-CONNECTED PURIFICATION PLANTS. IF THESE PLANTS ARE TO BE HOOKED UP IN THE NEAR FUTURE TO A CENTRAL PURIFICATION FACILITY, THEY ARE TO BE OUTFITTED WITH SUCH COLLECTING UNITS AS FERMENTING AND CLARIFYING PITS. IF THERE IS NO FORESEEABLE PLAN TO LINK UP THESE INDIVIDUAL PLANTS, BIOLOGICAL PURIFICATION METHODS MUST BE EMPLOYED.

LIECHTENSTEIN
LR(A)

"JUNE 8, 1971 DECREE ON THE QUALITY OF SEWAGE." LIECHTENSTEINISCHES LANDESGESETZBLATT, V. 1971, NO. 31.

GERMAN 07/01/71 PGS 1-6 EPA ID# 01076F
WATER

THIS DECREE SETS STANDARDS FOR THE QUALITY OF SEWAGE ENTERING A MAIN-RECEIVING STREAM OR A LOCAL OR PRIVATE CANALIZATION NETWORK. SAMPLING IS REQUIRED TO DETERMINE WHETHER STANDARDS ARE BEING MET. THE WATER PROTECTION OFFICE CAN ORDER HIGHER STANDARDS IN INDIVIDUAL CASES TO MEET THE EXIGENCIES OF LOCAL CONDITIONS. THE STANDARDS COVER THE TEMPERATURE, ODOR, COLOR, TOXICITY, TRANSPARENCY, AND COMPONENTS OF THE WASTEWATERS.

LIECHTENSTEIN
LR(A)

"JUNE 18, 1971 DECREE ON THE TECHNICAL STRUCTURE AND SIZE DETERMINATION OF WASTE-WATER WORKS." LIECHTENSTEINISCHES LANDESGESETZBLATT, V. 1971, NO. 34.

GERMAN 07/12/71 PGS 1-7 EPA ID# 01076G
WATER

THIS DECREE SETS GENERAL REGULATIONS FOR THE PLANNING OF SEWAGE AND DRAINAGE WORKS, FOR THE MERGER OF WASTEWATER FACILITIES, FOR WASTEWATER ACCUMULATION, RAIN-WATER BASINS, AND WASTEWATER PURIFICATION PLANTS. LOCAL DRAINAGE SYSTEMS MUST BE SO ESTABLISHED THAT ALL WASTEWATER, TO THE EXTENT POSSIBLE, BE DIRECTED INTO PURIFICATION PLANTS. CANALIZATION PROJECTS ARE TO TAKE INTO ACCOUNT LOCAL DEVELOPMENT PLANS AND EXISTING CONDITIONS. THE DECREE ALSO REQURIES THAT, WHERE POSSIBLE, ALL DRAINAGE WATERS AND INDUSTRIAL DISCHARGES BE COLLECTED AND DIRECTED INTO CENTRAL PURIFICATION FACILITIES. THE DECREE SETS AS A GOAL THE CONNECTING OF LOCAL NETWORKS INTO REGIONAL SYSTEMS.

EUR
LIECHTENSTEIN
LR(A)

"FEBRUARY 8, 1972 DECREE ON THE DISPOSAL OF USED OIL AND OF WASTES CONTAINING MINERAL OILS." LIECHTENSTEINISCHES LANDESGESETZBLATT, V. 1972, NO. 15

GERMAN
WATER
03/09/72 PGS 1-3
EPA ID# 01076H

THIS DECREE REGULATES THE DISPOSAL OF USED OIL AND OF WASTES CONTAINING MINERAL OILS TO INCLUDE OIL RESIDUES AND GREASE. SPECIFICALLY, IT BANS THE PLACEMENT OF SUCH MATERIALS INTO THE COUNTRY'S WATERS OR IN THEIR VICINITY, THE STORAGE OF THESE MATERIALS ELSEWHERE IF THE DANGER OF WATER POLLUTION EXISTS, AND THE USE OF WASTE OILS FOR DUST CONTRO_. THESE WASTE OIL MATERIALS ARE TO BE DISPOSED OF IN A MANNER PRESCRIBED BY THE WATER PROTECTION OFFICE. THIS OFFICE IS RESPONSIBLE FOR ORGANIZING A COLLECTION AND TRANSPORTATION SYSTEM TO WHICH ALL FACILITIES WHERE WASTE OILS ACCUMULATE MUST SUBSCRIBE UNLESS PERMISSION TO THE CONTRARY IS GRANTED.

LIECHTENSTEIN
LR(A)

"FEBRUARY 8, 1972 DECREE ON THE CONSTRUCTION AND OPERATION OF OIL AND GREASE SEPARATORS." LIECHTENSTEINISCHES LANDESGESETZBLATT, V. 1972, NO. 16

GERMAN
WATER
03/10/72 PGS 1-3
EPA ID# 01076J

THIS DECREE SETS STANDARDS FOR THE CONSTRUCTION AND USE OF OIL AND GREASE SEPARATORS. SEPARATORS ARE TO BE BUILT FOR THE SEPARATION OF FREE, NON-EMULSIFIED MINERAL OILS AND OTHER NON-EXPLOSIVE IMMISCIBLE FLUIDS FROM WASTEWATERS. ORGANIC SOLVENTS THAT ARE HEAVIER THAN WATER MAY NOT BE ROUTED OVER MINERAL-OIL SEPARATORS. ONLY WASTEWATERS CONTAINING GREASE MAY BE DIRECTED THROUGH THE SEPARATORS. GUIDELINES ESTABLISHED BY THE WATER PROTECTION OFFICE GOVERN THE CONSTRUCTION AND OPERATION OF THE SEPARATORS AND THEIR INLET AND OUTLET UNITS.

LUXEMBURG
LR(A)

"JUL 29, 1965 LAW ON CONSERVATION OF NATURE AND NATURAL RESOURCES." PASINOMIE LUXEMBOURGEOISE, V. 37.
KERSCHEN, NICOLAS, COMP.
FRENCH
GENERAL
AIR
WATER
SOLID WASTE
00/00/66 PGS 305-308
EPA ID# 01402A

CHAPTER I OF THIS LAW ESTABLISHES GENERAL CONSERVATION MEASURES. ANY CONSTRUCTION WHICH CONSTITUTES A DANGER TO CONSERVATION OF THE FLORA, FAUNA, SOIL OR SUBSOIL, ATMOSPHERE, WATERS OR THE GENERAL ENVIRONMENT IS TO BE REGULATED. PERSONS OPERATING MINES, QUARRIES OR PUBLIC WORKS ARE TO MAINTAIN THE VEGETATION COVER AS MUCH AS POSSIBLE. CUTTING OF TIMBER OR REFORESTATION OF AGRICULTURAL LAND IS ALSO REGULATED TO PREVENT AN UNFAVORABLE IMPACT ON THE ENVIRONMENT. DISPOSAL OF WASTE OR REFUSE AND ABANDONMENT OF VEHICLES ON PUBLIC ROADS OR OTHER LANDS, EXCEPT IN DESIGNATED PLACES IS FORBIDDEN. DUMPS ESTABLISHED BY INDUSTRIES OR OTHER ENTERPRISES ARE TO BE REGULATED. CHAPTER II DEALS WITH PROTECTION OF THE FAUNA AND FLORA. CHAPTER III IS CONCERNED WITH ADMINISTRATION OF THE LAW. THE MINISTRY ADMINISTERING WATERS AND FORESTS IS CHARGED WITH IMPLEMENTING THE CONSERVATION LAW. A SUPERIOR COUNCIL IS ESTABLISHED UNDER IT TO CARRY OUT THESE FUNCTIONS. CHAPTER IV ESTABLISHES PENALTIES FOR VIOLATION.

EUR
LUXEMBURG
LR(A)

"JUNE 17, 1872 DECREE OF THE GRAND DUKE ON THE MANAGEMENT OF CERTAIN INDUSTRIAL ESTABLISHMENTS, FACTORIES, WORKSHOPS, SHOPS, ETC." PASINOMIE LUXEMBOURGEOISE.
EPA
FRENCH PGS 353-357 ID# 02201A
GENERAL

THIS DECREE OF THE GRAND DUKE OF LUXEMBURG CONCERNS THE MANAGEMENT OF CERTAIN INDUSTRIAL ESTABLISHMENTS, FACTORIES, AND WORKSHOPS. THE DECREE WHICH IS OF A VERY GENERAL NATURE, LISTS TYPES OF ESTABLISHMENTS WHICH MAY NOT BE BUILT OR MOVED FROM ONE PLACE TO ANOTHER WITHOUT PERMISSION FROM AN ADMINISTRATIVE AUTHORITY (EITHER THE NATIONAL OR COMMUNAL GOVERNMENT). A REQUEST FOR SUCH AUTHORIZATION MUST SPECIFY THOSE NUISANCES THAT THE PROSPECTIVE ESTABLISHMENT MAY CAUSE AFFECTING THE POPULATION, AS WELL AS PUBLIC WORKS, WATERCOURSES AND COMMUNICATIONS SYSTEMS WITHIN A 100 TO 200 METER RADIUS. AUTHORIZATIONS ARE BASED ON SAFETY, CLEANLINESS, AND PUBLIC WELFARE, AND MAY BE REVOKED IF ESTABLISHED CONDITIONS OR NEW CONDITIONS IMPOSED BY THE ISSUING AUTHORITY ARE NOT MET.

LUXEMBURG
LR(B)

LAW AND PRACTICE RELATING TO POLLUTION CONTROL IN MEMBER STATES OF THE EUROPEAN COMMUNITIES. LUXEMBOURG
EPA
ENGLISH 00/00/74 PGS 1-139 ID# 03329A
ALSO PMA
GENERAL AIR WATER SOLID WASTE NOISE TOXIC SUBS RADIATION

THIS DOCUMENT, PREPARED BY ENVIRONMENTAL RESOURCES LTD. (LONDON) AND J.M. DIDIER AND ASSOCIATES FOR THE COMMISSION OF THE ECONOMIC COMMUNITIES, PRESENTS A COMPREHENSIVE AND DETAILED ACCOUNT OF ENVIRONMENTAL LAW AND PRACTICES IN LUXEMBOURG. THE FIRST SECTION, PROVIDING GENERAL INFORMATION ON POLLUTION CONTROL POWERS IN LUXEMBOURG, CONTAINS SUBSECTIONS COVERING: TYPE OF CONSTITUTION; SOURCES OF LAW; GOVERNMENT DEPARTMENTS AND AGENTS WITH EXECUTIVE AND SUPERVISORY POWERS IN RELATION TO POLLUTION CONTROL; LOCAL POLLUTION CONTROL AUTHORITIES; CONSULTATIVE BODIES; PRIVATE ASSOCIATIONS AND INDIVIDUALS; NATIONAL POLICY ON POLLUTION CONTROL; AND INTERNATIONAL AGREEMENTS. SUBSEQUENT SECTIONS DETAIL LEGAL AND ADMINISTRATIVE PROVISIONS FOR CONTROLLING: AIR POLLUTION; POLLUTION OF INLAND WATERS; DEPOSITS OF WASTE ON LAND; NOISE AND VIBRATION; AND RADIOACTIVE SUBSTANCES. ALSO CONSIDERED ARE PROVISIONS FOR CONTROL OF FOODSTUFFS AND OTHER PRODUCTS. (SEE ALSO ID NOS. 03323A AND 03321A).

EUR
LUXEMBURG
LR(A)

"DECEMBER 22, 1965 GRAND-DUCAL REGULATION MODIFYING AND COMPLETING THE NOV. 23, 1955 GRAND-DUCAL DECREE REGULATING TRAFFIC ON PUBLIC ROADS." MEMORIAL LUXEMBOURGEOISE.
FRENCH*
*ALSO GERMAN
NOISE AIR
00/00/65 PGS 516-529 EPA ID# 02198A

THIS REGULATION, WHICH COMPLETES AND MODIFIES THE 1955 TRAFFIC LAW, DEALS WITH AIR POLLUTION FROM NONSTATIONARY SOURCES IN ARTICLE 7. THIS ARTICLE STATES THAT MOTOR VEHICLES MUST NOT EMIT EXCESSIVE FUMES OR NOISE AND THAT VEHICLES MUST HAVE EXHAUST DEVICES WHICH ARE SUFFICIENTLY SILENT, EFFICIENT, AND AIRTIGHT. THESE DEVICES MUST BE MAINTAINED IN GOOD CONDITION AND MUST FUNCTION AS IF THEY WERE NEW. FREE EXHAUST OR ANY OPERATION SUPPRESSING OR REDUCING THE EFFECTIVENESS OF EXHAUST DEVICES ARE PROSCRIBED. PERMISSIBLE NOISE LEVELS FOR DIFFERENT TYPES OF VEHICLES ARE ALSO GIVEN.

LUXEMBURG
LR(A)

"FEB 20, 1968 LAW ON CONTROL OF PESTICIDES AND PHYTOPHARMACEUTICAL PRODUCTS." INT DIG. HLTH. LEG., V. 19.
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH
PESTICIDES
00/00/68 PGS 430 EPA ID# 01403A

THIS LAW AUTHORIZES THE GRAND DUKE, UPON CONSULTATION WITH APPROPRIATE BRANCHES OF GOVERNMENT, TO ESTABLISH REGULATIONS ON MANUFACTURE, IMPORTATION, TRANSPORT, SALE, POSSESSION AND USE OF PESTICIDES AND PHYTOPHARMACEUTICAL PRODUCTS. MANUFACTURE, POSSESSION OR SALE OF ANY PESTICIDES OR PHYTOPHARMACEUTICALS NOT APPROVED BY THE GOVERNMENT IS PROHIBITED. THIS LAW IS TO BE ENFORCED BY THE MINISTRY OF PUBLIC HEALTH AND THE MINISTRY OF AGRICULTURE. OFFICIALS RESPONSIBLE FOR ADMINISTERING THIS LAW ARE AUTHORIZED TO ENTER AND INSPECT PREMISES WHERE THESE PRODUCTS ARE MANUFACTURED, STORED, SOLD OR USED. OFFICIAL TEXT IS IN MEMORIAL, PART A, N. 9, MAR 12, 1968, PP. 123-124.

LUXEMBURG
LR(A)

"MAY 29, 1970 REGULATIONS ON CONTROL OF PESTICIDES AND PHYTOPHARMACEUTICAL PRODUCTS." INT. DIG. HLTH. LEG., V. 21.
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH
PESTICIDES
00/00/70 PGS 752-755 EPA ID# 01403B

THESE REGULATIONS, ISSUED UNDER THE FEB 20, 1968 LAW ON PESTICIDES AND PHYTOPHARMACEUTICALS, ESTABLISHES A COMMISSION TO LICENSE THE IMPORT, MANUFACTURE, SALE OR DISTRIBUTION OF PHYTOPHARMACEUTICAL PRODUCTS. BEFORE ISSUING A LICENSE, THE COMMISSION, WHICH IS TO INCLUDE MINISTRY OF PUBLIC HEALTH REPRESENTATIVES, MUST DETERMINE THAT THE PRODUCT WILL BE PROPERLY USED AND THAT SUCH USE WILL NOT CAUSE DANGER TO PERSONS USING IT OR TO THE PUBLIC HEALTH, CONTAMINATION OF FOODSTUFFS, DAMAGE TO SOIL FERTILITY OR HARM TO DESIRABLE PLANTS AND ANIMALS. APPROVED PRODUCTS MUST BE REEVALUATED AT LEAST EVERY TEN YEARS BY THE TECHNICAL SERVICES ADMINISTRATION OF THE MINISTRY OF AGRICULTURE AND MAY BE REMOVED FROM THE MARKET UPON SIX MONTHS NOTICE. THEY ARE CLASSIFIED INTO FOUR CATEGORIES ACCORDING TO TOXICITY. CLASS A (HIGHLY DANGEROUS TOXIC SUBSTANCES) AND CLASS B (TOXIC) SUBSTANCES MAY BE SOLD ONLY BY APPROVED VENDERS TO APPROVED USERS, LICENSED UNDER THESE REGULATIONS. OFF. TEXT PART A, N. 33, 1970.

EUR
LUXEMBURG
LR(A)

"JAN 27, 1971 REGULATIONS ON TOXICOLOGICAL CLASSIFICATION OF PHYTOPHARMACEUTICAL PRODUCTS." INT. DIG. HLTH. LEG., V. 23, N. 4.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/72 PGS 782 ID# 01405A
PESTICIDES

THESE REGULATIONS, ISSUED UNDER THE FEB 20, 1968 LAW AND THE MAY 29, 1970 REGULATIONS ON CONTROL OF PESTICIDES AND PHYTOPHARMACEUTICAL PRODUCTS, ESTABLISH TOXICOLOGICAL CLASSIFICATIONS FOR APPROVED SUBSTANCES. APPROVED PHYTOPHARMACEUTICALS CLASSIFIED BY THESE REGULATIONS INCLUDE: PRODUCTS OF VEGETABLE ORIGIN, CHLORINATED HYDROCARBONS, ORGANOPHOSPHORUS COMPOUNDS, CARBAMATES, DINITRO COMPOUNDS, MINERAL COMPOUNDS, ORGANO-METALLIC COMPOUNDS, DITHIOCARBAMATES, DIPYRIDYL DERIVATIVES, CHLOROPHENOXYACETIC ACID COMPOUNDS, AND VARIOUS OTHER COMPOUNDS, RODENTICIDES AND FUMIGANTS. THESE PRODUCTS ARE CLASSIFIED IN ONE OF FOUR CATEGORIES. SCHEDULE A LISTS ESPECIALLY DANGEROUS TOXIC SUBSTANCES. SCHEDULE B LISTS TOXIC SUBSTANCES. IN SCHEDULE C, COMPOUNDS CONTAINING PRODUCTS FROM SCHEDULES A AND B IN LOW, NON-HAZARDOUS CONCENTRATIONS ARE LISTED. NON-POISONOUS SUBSTANCES ARE REGISTERED IN SCHEDULE D. OFFICIAL TEXT OF THE REGULATIONS IS IN MEMORIAL, PART A, N. 16, MAR 18, 1971, PP. 288-294.

LUXEMBURG
LR(A)

"MAR 25, 1963 LAW ON PROTECTION OF THE POPULATION AGAINST DANGERS FROM IONIZING RADIATION." PASINOMIE LUXEMBOURGEOISE, V. 35.
KERSCHEN, NICOLAS, COMP. EPA
FRENCH 00/00/64 PGS 105-107 ID# 01410A
RADIATION

THIS LAW ESTABLISHES AUTHORITY UNDER CIVIL ADMINISTRATIVE REGULATIONS TO CONTROL PRODUCTION, MANUFACTURE, IMPORTATION, TRANSPORT, SALE, STORAGE, USE AND DISPOSAL OF RADIOACTIVE SUBSTANCES USED IN APPARATUS EMITTING IONIZING RADIATION AND BY INDUSTRIAL ENTERPRISES OR INSTITUTIONS. IN CASE OF ACCIDENT INVOLVING POTENTIAL RADIOACTIVE CONTAMINATION, THE MINISTER OF HEALTH IS TO IMPLEMENT MEASURES TO PROTECT THE PUBLIC AND ELIMINATE HAZARDOUS SITUATIONS. TO ENSURE THAT PROVISIONS OF THIS LAW ARE IMPLEMENTED, MEDICAL INSPECTORS ARE GIVEN AUTHORITY TO INSPECT APPARATUS AND SUBSTANCES CAPABLE OF EMITTING IONIZING RADIATION, AND TO INSPECT ESTABLISHMENTS INVOLVED IN MANUFACTURE, TRANSPORT, STORAGE, OR USE OF RADIOACTIVE SUBSTANCES. A SPECIALIST IN RADIOPROTECTION IS ATTACHED TO THE CHIEF MEDICAL OFFICER OF THE MINISTRY OF HEALTH WITH RESPONSIBILITIES FOR PROTECTING THE POPULATION AGAINST RADIATION CONTAMINATION, TO BE DEFINED LATER. PENALTIES FOR VIOLATION OF THIS LAW ARE ESTABLISHED.

EUR
LUXEMBURG
LR(A)

"FEB 8, 1967 REGULATIONS ON EXECUTION OF MAR 25, 1963 LAW ON PROTECTION OF POPULATION AGAIST DANGERS FROM IONIZING RADIATION." MEMORIAL, PART A, N. 15.
EPA
FRENCH 03/08/67 PGS 142-180 ID# 014108
RADIATION AIR WATER

THESE REGULATIONS, BASED ON RECOMMENDATIONS OF THE EUROPEAN ATOMIC ENERGY COMMUNITY, ESTABLISH DETAILED MEASURES TO CONTROL THE USE OF IONIZING RADIATION. ENTERPRISES USING SOURCES OF IONIZING RADIATION ARE CLASSIFIED ACCORDING TO POTENTIAL HAZARD INVOLVED. CLASS I AND CLASS II ENTERPRISES, THE MOST HAZARDOUS TYPES, ARE REGULATED DIRECTLY BY THE MINISTRY OF HEALTH. CLASS III ENTERPRISES ARE REGULATED BY LOCAL AUTHORITIES UPON CONSULTATION WITH THE HEALTH AND LABOR OFFICIALS. CLASS IV OPERATIONS ARE NOT REGULATED. IMPORTATION AND DISTRIBUTION OF RADIOACTIVE SUBSTANCES IS PERMITTED ONLY BY PERSONS AUTHORIZED BY THE MINISTRY OF HEALTH. TRANSPORT OF RADIOACTIVE SUBSTANCES AND CONSTRUCTION OF VEHICLES PROPELLED BY NUCLEAR ENERGY IS CONTROLLED BY INTERMINISTERIAL REGULATIONS. THE SPECIALIST IN RADIOPROTECTION AT THE MINISTRY OF HEALTH IS TO MONITOR LEVELS OF RADIATION IN THE WATER, AIR AND SOIL, AND IN THE FOOD CHAIN. HE IS RESPONSIBLE FOR MEASURES TO PROTECT THE POPULATION AS A WHOLE FROM HAZARDS OF RADIATION.

LUXEMBURG
LR(A)

"MAR 27, 1964 REGULATIONS ON NOMINATING PROCEDURES AND DUTIES OF SPECIALIST IN RADIOPROTECTION AT THE MINISTRY OF PUBLIC HEALTH." PASINOMIE LUXEMBOURGEOISE, V. 36.
KERSCHEN, NICOLAS, COMP.
EPA
FRENCH 00/00/65 PGS 135-136 ID# 01411A
RADIATION

ARTICLE 2 OF THESE REGULATIONS ESTABLISH DUTIES OF THE SPECIALIST IN RADIOPROTECTION ATTACHED TO CHIEF MEDICAL OFFICER OF THE MINISTRY OF PUBLIC HEALTH. HE IS TO SURVEY THE NATURAL FUND OF RADIOACTIVITY AS WELL AS ALL ARTIFICIAL SOURCES OF RADIOACTIVITY IN LUXEMBURG. HE IS TO ESTABLISH FACILITIES TO MONITOR REGULARLY THE LEVEL OF RADIOACTIVITY IN THE ENVIRONMENT. DOSE LEVELS RECEIVED BY THE POPULATION AS A WHOLE ARE TO BE EVALUATED IN TERMS OF DOSE LEVELS RECEIVED BY VARIOUS SECTORS OF THE PUBLIC. MAXIMUM PERMISSIBLE DOSE LEVELS AND MAXIMUM CONCENTRATIONS OF RADIATION IN THE ENVIRONMENT ARE TO BE ESTABLISHED. NOTICES WILL BE ISSUED ON PREVENTION OF CONTAMINATION AT INSTALLATIONS USING SOURCES OF RADIATION AND DURING TRANSPORT OF RADIOACTIVE MATERIAL. IN CASE OF ACCIDENT INVOLVING RADIOACTIVE SOURCES, THE SPECIALIST IN RADIOPROTECTION IS TO INTERVENE TO PREVENT DANGER TO THE PUBLIC HEALTH. HE IS ALSO TO ESTABLISH GUIDELINES AND REGULATIONS ON MEDICAL USE OF RADIOACTIVE SUBSTANCES.

EUR
LUXEMBURG
LR(A)

"JAN 9, 1961 LAW ON PROTECTION OF UNDERGROUND WATERS." PASINOMIE LUXEMBOURGEOISE, V. 33.
KERSCHEN, NICOLAS, COMP.
FRENCH 00/00/63 PGS 3-4 EPA ID# 01406A
WATER

UNDER THIS LAW, NEW AND OPERATING WELLS FOR EXPLOITATION OF UNDERGROUND WATER RESOURCES ARE TO BE REGULATED BY THE MINISTRY OF THE INTERIOR. CONDITIONS FOR THE USE OF SUBTERRANEAN WATER ARE TO BE DEFINED BY ADMINISTRATIVE REGULATIONS. THIS LAW IS APPLICABLE TO ALL WELLS DRAWING WATER FROM DEPTHS GREATER THAN 20 METERS AND TO DRAINAGE SYSTEMS EXTENDING MORE THAN TWO METERS BELOW THE SURFACE. THE RIGHT TO USE SUBTERRANEAN WATER MAY BE REVOKED IF REGULATIONS ARE NOT OBSERVED. CONTAMINATION OF SUBTERRANEAN WATER RESOURCES WITH POLLUTING SUBSTANCES IS PROHIBITED. COMMERCIAL QUARRYING OF LUXEMBURG SANDSTONE WHICH MAY AFFECT UNDERGROUND WATERS IS REGULATED BY THE MINISTRY OF THE INTERIOR AS WELL AS BY THE MINISTRIES OF PUBLIC HEALTH AND OF PUBLIC WORKS. VIOLATORS OF THIS LAW ARE SUBJECT TO A FINE OF 1,000 TO 30,000 FRANCS. ENTERPRISES OPERATING IN VIOLATION OF THIS LAW MAY BE CONDEMNED, DISMANTLED AND REMOVED BY RESPONSIBLE AUTHORITIES.

LUXEMBURG
LR(A)

"AUG 17, 1963 ORDER DESIGNATING OFFICIALS RESPONSIBLE FOR EXECUTION OF JAN 9, 1961 LAW ON PROTECTION OF UNDERGROUND WATERS." PASINOMIE LUXEMBOURGEOISE, V. 35.
KERSCHEN, NICOLAS, COMP.
FRENCH 00/00/64 PGS 355 EPA ID# 01406B
WATER

THE "JAN 9, 1961 LAW ON PROTECTION OF UNDERGROUND WATERS" IS TO BE EXECUTED BY THE FOLLOWING DEPARTMENTS OF GOVERNMENT: THE ADMINISTRATION OF BRIDGES AND HIGHWAYS, THE ADMINISTRATION OF WATERS AND FORESTS, THE PUBLIC HEALTH ADMINISTRATION, THE INSPECTORATE OF LABOR AND MINES, AND THE ADMINISTRATION OF AGRICULTURAL SERVICES. THIS ORDER IS TO BE IMPLEMENTED BY THE MINISTRIES OF PUBLIC HEALTH, OF LABOR AND SOCIAL SECURITY, OF PUBLIC WORKS, OF AGRICULTURE, OF JUSTICE, AND OF THE INTERIOR.

LUXEMBURG
LR(A)

"MAY 30, 1962 DECREE ON THE CONSTITUTION OF THE INTERNATIONAL COMMISSION FOR PROTECTION OF THE MOSELLE FROM POLLUTION." PASINOMIE LUXEMBOURGEOISE, V. 35.
KERSCHEN, NICOLAS, COMP.
FRENCH 00/00/64 PGS 235-237 EPA ID# 01407A
WATER

IN THIS DECREE, THE GRAND DUCHESS OF LUXEMBURG ANNOUNCES RATIFICATION OF AN AGREEMENT ON THE INTERNATIONAL COMMISSION FOR PROTECTION OF THE MOSELLE FROM POLLUTION, CONCLUDED IN PARIS ON DEC. 20, 1961 AMONG THE GOVERNMENTS OF LUXEMBURG, FRANCE AND GERMANY. THE COMMISSION IS TO COORDINATE POLLUTION CONTROL ACTIVITIES AMONG THE SIGNATORY GOVERNMENTS. IT IS AUTHORIZED TO CONDUCT RESEARCH ON POLLUTION PROBLEMS AND TO DEVELOP PROPOSALS TO PROTECT THE MOSELLE FROM POLLUTION DAMAGE. EACH GOVERNMENT IS REPRESENTED BY FOUR DELEGATES ON THE COMMISSION AND MAY DESIGNATE AN INDEFINITE NUMBER OF EXPERTS WHOSE ROLE IS DETERMINED BY THE COMMISSION. GROUPS OF EXPERTS, EACH HEADED BY A DELEGATE, MAY BE ESTABLISHED TO STUDY SPECIAL POLLUTION PROBLEMS. OTHER PROVISIONS CONCERN THE COMPOSITION, STRUCTURE AND PROCEDURE FOR OPERATION OF THE COMMISSION.

EUR
LUXEMBURG
LR(A)

"APR 10, 1965 LAW TO APPROVE THE ACCORD OF INTERNATIONAL COMMISSION FOR PROTECTION OF THE RHINE FROM POLLUTION." PASINOMIE LUXEMBOURGEOISE, V. 37.
KERSCHEN, NICOLAS, COMP. EPA
FRENCH 00/00/66 PGS 140 ID# 01409A
WATER

THIS LAW RATIFIES AN ACCORD, SIGNED IN BERN, SWITZERLAND ON APR 29, 1963, TO ESTABLISH AN INTERNATIONAL COMMISSION FOR PROTECTION OF THE RHINE FROM POLLUTION. THE ACCORD IS TO TAKE EFFECT ON MAY 1, 1965 (SEE MEMORIAL, PART A, N. 27, MAY 25, 1965, P. 562). THE OFFICIAL TEXT OF THE ACCORD APPEARS IN MEMORIAL, PART A, N. 20, APR 21, 1965, PP. 365-368.

LUXEMBURG
LR(A)

"MAY 16, 1929 LAW ON THE TREATMENT, MAINTENANCE, AND IMPROVEMENT OF WATERCOURSES."
MEMORIAL DU GRAND-DUCHE DE LUXEMBOURG, NO. 33.
EPA
FRENCH* 07/06/29 PGS 511-517 ID# 02199A
*ALSO GERMAN
WATER

THIS LUXEMBURG LAW OF MAY 16, 1929, ON THE CLEANING, MAINTENANCE, AND IMPROVEMENT OF WATERCOURSES MAKES MANDATORY THE ANNUAL CLEANING AND MAINTENANCE OF NON-NAVIGABLE WATERCOURSES AND CONDUITS AND DRAINAGE DITCHES EMPTYING INTO THEM. THE LAW PROHIBITS THROWING, DISCHARGING OR LETTING FLOW, DIRECTLY OR INDIRECTLY, INTO WATERCOURSES ANY MATERIAL LIKELY TO ENDANGER THE WATERS' FREE-FLOW, CLEANLINESS, ALIMENTARY USE BY ANIMALS, OR DOMESTIC, AGRICULTURAL, AND INDUSTRIAL USE.

LUXEMBURG
LR(A)

"SEPTEMBER 9, 1929 MINISTERIAL DECREE ON THE PURIFICATION OF INDUSTRIAL AND DOMESTIC WASTEWATERS BEFORE THEIR DISCHARGE INTO WATERCOURSES." MEMORIAL DU ...LUXEMBOURG
EPA
FRENCH* 00/00/29 PGS 796-797 ID# 02199B
*ALSO GERMAN
WATER

THIS MINISTERIAL DECREE, ISSUED BY THE DIRECTOR GENERAL OF JUSTICE AND THE INTERIOR PURSUANT TO THE MAY 16, 1929, LAW ON THE TREATMENT, MAINTENANCE, AND IMPROVEMENT OF WATERCOURSES, PROVIDES SPECIFIC TIME PERIODS WITHIN WHICH INDUSTRIES AND COMMUNES MUST SUBMIT TO THE NATIONAL GOVERNMENT PLANS FOR PURIFICATION OF DISCHARGED WASTEWATER, SO THAT THE DISCHARGES MAY BE PROPERLY AUTHORIZED.

EUR
LUXEMBURG
LR(A)

"DECEMBER 22, 1938 DECREE ON THE PURIFICATION OF INDUSTRIAL AND COMMUNAL WASTEWATER." MEMORIAL LUXEMBOURGEOISE.
EPA
FRENCH* 00/00/38 PGS 1354-1356 ID# 02199C
*ALSO GERMAN
WATER

THIS DECREE ISSUED BY THE MINISTERS OF AGRICULTURE, JUSTICE, AND THE INTERIOR SUPPLEMENTS THE MAY 16, 1929, LAW ON THE TREATMENT, MAINTENANCE AND IMPROVEMENT OF WATERCOURSES. THE DECREE SETS MINIMUM STANDARDS FOR PURIFIED WASTEWATER AND PROVIDES TECHNICAL SPECIFICATIONS ON THE QUANTITY OF WATER A PURIFICATION STATION MUST PROCESS WITHIN A CERTAIN TIME PERIOD. IN ADDITION, THE DECREE LISTS CERTAIN LOCALITIES WHICH ARE REQUIRED TO INSTALL MECHANICAL PURIFICATION STATIONS FOR SEWER WATER.

MALTA
LR(A)

"JUNE 28, 1967 ACT NO. 18 TO MAKE PROVISION FOR ABATING THE POLLUTION OF THE AIR (CLEAN AIR ACT)." LAWS MADE BY THE LEGISLATURE.... VOL. 100, 1967
EPA
ENGLISH 00/00/68 PGS 115-122 ID# 03200A
AIR

THIS ACT, KNOWN BY ITS SHORT TITLE AS THE CLEAN AIR ACT 1967, CONTAINS PROVISIONS RELATING TO THE CONTROL OF AIR POLLUTION IN MALTA FROM STATIONARY COMBUSTION SOURCES AND FROM SEA-GOING VESSELS IN MALTESE WATERS. THE ACT IS TO BE ENFORCED AND REGULATED BY THE MALTESE MINISTRY OF HEALTH. SECTION 2 OF THE ACT DEFINES PERTINENT TERMS, AND OTHER SECTIONS SET FORTH PROVISIONS PROHIBITING EMISSIONS OF DARK SMOKE (SMOKE AS DARK AS OR DARKER THAN SHADE TWO OF THE RINGELMANN CHART), REQUIRING NEW FURNACES TO BE AS SMOKELESS AS PRACTICABLE, REDUCING GRIT AND DUST EMISSIONS FROM FURNACES, PRESCRIBING THE HEIGHT OF CHIMNEYS, ABATING SMOKE NUISANCES, AND OUTLINING PROCEDURES FOR INSPECTING AND REPORTING SOURCES OF AIR POLLUTION AND FOR PROSECUTING AND PENALIZING CONTRAVENORS OF THIS ACT. IN ADDITION THE ACT PROVIDES FOR THE CREATION OF THE CLEAN AIR BOARD, APPOINTED BY THE MINISTER OF HEALTH, WHOSE DUTIES ARE TO REVIEW THE PROGRESS IN ABATING AIR POLLUTING, ACQUIRE THE NECESSARY EXPERTISE, AND ADVISE THE MINISTER IN THESE MATTERS.

EUR
MALTA
PM(A)

COUNTRY MONOGRAPH ON PROBLEMS RELATING TO ENVIRONMENT
MALTA. HUMAN ENVIRONMENT COUNCIL
ENGLISH 02/11/71 PGS 1-14 EPA ID# 01024A
ALSO LRB
GENERAL

THIS IS A PUBLICATION OF THE GOVERNMENT OF MALTA. PREPARED FOR AND SUBMITTED TO THE ECONOMIC COMMISSION FOR EUROPE BY THE MALTA HUMAN ENVIRONMENT COUNCIL. THE MONOGRAPH REVIEWS THE ENTIRE RANGE OF ENVIRONMENTAL PROBLEMS AND DANGERS AS THEY AFFECT MALTA, NOTING THAT ENVIRONMENTAL IMBALANCES HAVE ARISEN AS A RESULT OF LACK OF COHESION BETWEEN PHYSICAL, ECONOMIC AND SOCIAL PLANNING. THE LARGER PART OF THE MONOGRAPH IS DEVOTED TO A DISCUSSION OF ENVIRONMENTAL MEASURES AND TYPES OF ENVIRONMENTAL ACTION TAKEN BY THE MALTESE GOVERNMENT AND OTHER INTERESTED GROUPS. GOVERNMENT POLICIES, LEGISLATION, INSTITUTIONAL ARRANGEMENTS, EDUCATION AND TRAINING IN THE ENVIRONMENTAL PROTECTION FIELD ARE COVERED.

MALTA
PM(A)

"ENVIRONMENTAL WORK IN MALTA." MALTA TODAY, V. 9, NO. 2, 1974
ENGLISH 06/00/74 PGS 12-13 EPA ID# 02271A
ALSO SE
GENERAL

THIS MAGAZINE ARTICLE CITES THE ACTIVITIES CONDUCTED FROM MAY 29 TO JUNE 5, 1974, IN CELEBRATION OF WORLD ENVIRONMENT DAY IN MALTA AND DESCRIBES, IN GENERAL, ENVIRONMENTAL POLICIES AND ACTIVITIES IN RELATION TO SOCIO-ECONOMIC AND AGRICULTURAL DEVELOPMENT OF THE MALTESE ISLANDS. IN MALTA ENVIRONMENTAL AND SOCIO-ECONOMIC FACTORS ARE CONSIDERED INTEGRAL PARTS OF THE TOTAL HUMAN ENVIRONMENT. THE MALTA HUMAN ENVIRONMENT COUNCIL COORDINATES THE GOVERNMENT'S ACTIVITIES WHICH ATTEMPT TO RAISE THE STANDARD OF LIVING AS WELL AS PROTECT THE NATURAL ENVIRONMENT. THE GOVERNMENT HAS ALSO SET UP THE AD HOC POLLUTION CONTROL COMMITTEE WHICH SPECIFICALLY DEALS WITH ANTI-POLLUTION ACTIVITIES. THE HUMAN ENVIRONMENT COUNCIL AND THE POLLUTION CONTROL COMMITTEE ARE BOTH STAFFED BY REPRESENTATIVES OF GOVERNMENT AND UNIVERSITY DEPARTMENTS WHOSE ACTIVITIES ARE CONCERNED WITH ENVIRONMENTAL IMPROVEMENT. THIS CROSS REPRESENTATION IN STAFFING ENSURES INTERDEPARTMENTAL AND INTERDISCIPLINARY COOPERATION BETWEEN THE TWO ENVIRONMENTAL BODIES.

EUR
NETHERLANDS
LR(A)

PUBLIC NUISANCE ACT OF MAY 15, 1952 (STAATSBLAD 274). HINDERWET

EPA
DUTCH 00/00/69 PGS 1-32 ID# 00405A
AIR

THE ACT FORBIDS OPERATION WITHOUT APPROVAL OF INSTALLATIONS THAT MAY CAUSE DANGER, DAMAGE OR NUISANCE. THE ISSUING OF PERMITS LIES WITHIN THE COMPETENCE OF THE MUNICIPAL OR PROVINCIAL GOVERNMENT AND OF THE MINISTER FOR SOCIAL AFFAIRS AND PUBLIC HEALTH. AN INSTALLATION OPERATING WITHOUT A PERMIT MAY BE CLOSED BY THE AUTHORITIES IF IT DOES NOT CONFORM TO THE CONDITION SET FORTH IN THE PERMIT. THE ACT PROVIDES FOR BOTH APPEALS AND PENALTIES.

NETHERLANDS
LR(A)

DECREE OF JANUARY 30, 1953 (STAATSBLAD 36). HINDERWET

EPA
DUTCH 00/00/69 PGS 33-42 ID# 00405B
AIR

THIS DECREE INDICATES THE TYPE OF INSTALLATIONS THAT MAY CAUSE DANGER, DAMAGE OR NUISANCE AND STATES THE REQUIREMENTS FOR OBTAINING A PERMIT TO OPERATE SUCH INSTALLATIONS.

NETHERLANDS
LR(A)

ORDER OF THE SECRETARY OF STATE FOR SOCIAL AFFAIRS OF DECEMBER 12, 1957, NO. 2521, DEPARTMENT OF LABOR RELATIONS, AS AMENDED. HINDERWET

EPA
DUTCH 00/00/69 PGS 46 ID# 00405C
AIR

THIS ORDER DESIGNATES THE COMPETENT AUTHORITIES TO ADJUDICATE VIOLATIONS OF THE PUBLIC NUISANCE ACT.

NETHERLANDS
LR(A)

THE AIR POLLUTION LAW OF NOVEMBER 26, 1970 (STAATSBLAD 580) MILIEUWETGEVING I
CASSUTO, R. G. H., COMP.
EPA
DUTCH 00/00/71 PGS 157-207 ID# 00409A
ALSO PM/ALSO ENGLISH
AIR

THIS LAW AUTHORIZES THE ESTABLISHMENT OF AN AIR POLLUTION COUNCIL, DESCRIBES ITS RESPONSIBILITIES AND EMPOWERS THE COMPETENT MINISTER TO PREVENT OR LIMIT AIR POLLUTION CAUSED BY FACILITIES, DEVICES OR FUELS. IT ALSO PROVIDES THAT INSTALLATIONS WHICH CAUSE AIR POLLUTION WITHIN NORMALLY ACCEPTABLE LIMITS MAY BE DEFINED AS UNACCEPTABLE IF THEY ARE SITUATED IN AN AREA WHERE CONSIDERABLE AIR POLLUTION ALREADY EXISTS. FURTHER, THE LAW PROHIBITS INSTALLATIONS EMITTING UNACCEPTABLE LEVELS OF POLLUTANTS TO OPERATE UNLESS A PERMIT IS OBTAINED. THE COMPETENT MINISTER MAY DETERMINE WHAT REGULATIONS APPLY IN THE MEASUREMENT OF AIR POLLUTANTS. AND PROPERTY OWNERS MAY NOT INTERFERE WITH GOVERNMENT POLLUTION-MEASURING ACTIVITIES. THE LAW ALSO PROVIDES THAT THE MINISTER FOR SOCIAL AFFAIRS AND PUBLIC HEALTH DEVELOP AT FIVE-YEAR INTERVALS AN ANTI-AIR POLLUTION PROGRAM FOR THE ENSUING FIVE YEARS.

EUR
NETHERLANDS
LR(A)

IMPLEMENTATION OF AIR POLLUTION LAW: DECREES OF 12/28/70; 10/6/71; 6/23/72; AND 9/11/72; NOS. 677,608,308,473 RESP. STAATSBLAD VAN HET KONINKRIJK DER NEDERLANDEN
EPA
DUTCH 00/00/70 PGS VARIOUS ID# 00409B
AIR

THESE DECREES IMPLEMENT THE AIR POLLUTION LAW OF NOV. 26, 1970, GENERALLY AS REGARDS THE ENTRY INTO FORCE OF ITS VARIOUS PROVISIONS.

NETHERLANDS
LR(A)

AIR POLLUTION: DECREES OF 5/23, 6/23, 9/6 AND 7/72; NOS. 294,307,472, AND 471 RESP. STAATSBLAD VAN HET KONINKRIJK DER NEDERLANDEN
EPA
DUTCH 00/00/72 PGS VARIOUS ID# 00409C
AIR

THE FIRST OF THESE DECREES DEFINES THE TYPES OF INSTALLATIONS THAT CAUSE OR CAN CAUSE AIR POLLUTION. THE SECOND LISTS FUELS SUBJECT TO LEVIES AND REGULATES THE EXTENT OF THESE LEVIES AND THEIR COLLECTION. THE SEPT. 6 DECREE ESTABLISHES PROCEDURES FOR REQUESTING, CHANGING OR CANCELLING A POLLUTION PERMIT. THE SEPT. 7 DECREE REGULATES REQUEST PROCEDURES FOR COMPENSATION FOR DAMAGE CAUSED BY AIR POLLUTION.

NETHERLANDS
LR(A)

"NOV. 15, 1967 LAW (STB. 572) ON NATURE CONSERVATION." NATUURBESCHERMINGSWET
VERAART, J.A.J.M., COMP.
EPA
DUTCH 00/00/70 PGS 33-34 ID# 00829A
GENERAL SOLID WASTE

ARTICLE 16 OF THIS LAW STATES THAT IT IS PROHIBITED TO POLLUTE OR DEFACE PROTECTED NATURAL MONUMENTS. THESE ARE DEFINED ELSEWHERE IN THE LEGISLATION AS LAND OR WATER WHICH ARE OF PUBLIC INTEREST BECAUSE OF THEIR BEAUTY OR THEIR SIGNIFICANCE TO NATURAL SCIENCE.

NETHERLANDS
LR(A)

"MARCH 27, 1974 DECREE ON THE ESTABLISHMENT OF AN INTERIM CENTRAL COUNCIL ON ENVIRONMENTAL HYGIENE," STAATSBLAD VAN HET KONINKRIJK DER NEDERLANDEN, NO. 254
EPA
DUTCH 00/00/74 PGS 2-4 ID# 03210A
GENERAL

THIS DECREE ESTABLISHES THE INTERIM CENTRAL COUNCIL ON ENVIRONMENTAL HYGIENE, COMPOSED OF UP TO 25 MEMBERS. THE COUNCIL IS TO ADVISE THE MINISTER OF PUBLIC HEALTH AND ENVIRONMENTAL HYGIENE ON ALL MATTERS RELATING TO ENVIRONMENTAL HYGIENE. APPENDED TO THE DECREE IS A MEMORANDUM FROM THE MINISTER OF PUBLIC HEALTH AND ENVIRONMENTAL HYGIENE EXPLAINING THE REASONS FOR THE ESTABLISHMENT OF THE COUNCIL.

EUR
NETHERLANDS
LR(B)

LAW AND PRACTICE RELATING TO POLLUTION CONTROL IN MEMBER STATES OF THE EUROPEAN COMMUNITIES. NETHERLANDS
DE GRAEFF, J.J., AND J.M. POLAK EPA
ENGLISH 00/00/74 PGS 1-136 ID# 03326A
ALSO PMA
GENERAL AIR WATER SOLID WASTE NOISE TOXIC SUBS RADIATION

THIS DOCUMENT, PREPARED BY ENVIRONMENTAL RESOURCES LTD. (LONDON) FOR THE COMMISSION OF THE ECONOMIC COMMUNITIES, PRESENTS A COMPREHENSIVE AND DETAILED ACCOUNT OF ENVIRONMENTAL LAW AND PRACTICES IN THE NETHERLANDS. THE FIRST SECTION, "THE DUTCH SYSTEM OF ADMINISTRATION AND ENVIRONMENTAL POLLUTION," CONSIDERS: THE CHARACTER OF THE DUTCH ADMINISTRATION SYSTEM; SOURCES OF ENVIRONMENTAL LAW; DISTRIBUTION OF ENVIRONMENTAL RESPONSIBILITIES AMONG VARIOUS LEVELS OF GOVERNMENT; ADVISORY BODIES; THE ROLE OF INTEREST ORGANIZATIONS AND PRIVATE PERSONS; ENVIRONMENTAL POLICY; AND INTERNATIONAL TREATIES. SUBSEQUENT SECTIONS DETAIL LEGAL AND ADMINISTRATIVE PROVISIONS FOR CONTROLLING SPECIFIC TYPES OF POLLUTION: AIR POLLUTION; POLLUTION OF INLAND AND COASTAL WATERS AND THE SEA; DISPOSAL OF WASTES ON LAND; NOISE AND VIBRATION POLLUTION; AND POLLUTION FROM RADIOACTIVE SUBSTANCES, FISSION MATERIALS AND ORES. CONTROL OF VARIOUS POLLUTING PRODUCTS IS ALSO CONSIDERED. (SEE ALSO ID NO. 03321A).

NETHERLANDS
LR(A)

"AUGUST 28, 1950 TRAFFIC REGULATIONS." WEGENVERKEERSWETGEVING, 10TH ED., PT. 1
NOACH, W.M.E., COMP. EPA
DUTCH 00/00/70 PGS 169-170 ID# 00982A
NOISE AIR

ARTICLE 66 OF THESE REGULATIONS REQUIRES ALL MOTOR VEHICLES TO HAVE A HORN; HOWEVER, THE VOLUME OF THE SOUND EMITTED MAY NOT BE LESS THAN 70 NOR MORE THAN 104 DECIBELS. SEPARATE REQUIREMENTS ARE STATED FOR POLICE, FIRE AND AMBULANCE SIRENS. THIS ARTICLE FURTHER STATES THAT MOTOR VEHICLES ARE FORBIDDEN FROM MAKING NOISES EXCEEDING CERTAIN LEVELS AS DETERMINED BY THE MINISTER OF TRAFFIC AND WATERWAYS. FURTHERMORE, SECTION (D) STATES THAT MOTOR VEHICLES MUST BE CONSTRUCTED IN SUCH A WAY THAT PUBLIC NUISANCES SUCH AS SMOKE AND VAPORS ARE AVOIDED.

NETHERLANDS
LR(A)

"JAN. 15, 1958 LAW CONTAINING NEW REGULATIONS REGARDING AIR TRAFFIC (AIR TRAFFIC LAW)." STAATSBLAD 47
EPA
DUTCH 00/00/58 PGS 77-85 ID# 01310A
NOISE

ARTICLE 76 PROVIDES FOR FURTHER REGULATIONS TO LIMIT NOISE NUISANCE CAUSED BY AIRCRAFT.

EUR
NETHERLANDS
LR(A)

"APR. 17, 1972 DECREE AMENDING THE AIR TRAFFIC REGULATIONS (STB. 159, 189)..."
STAATSBLAD 209

DUTCH 00/00/72 PGS 1 EPA ID# 01310B
NOISE

THIS DECREE FORBIDS SUPERSONIC FLIGHTS OVER THE NETHERLANDS AND EMPOWERS THE AUTHORITIES TO LAY DOWN RULES TO LIMIT NOISE NUISANCES. THE MINISTER OF DEFENSE AND THE MINISTER OF TRANSPORT AND WATERWAYS ARE RESPONSIBLE FOR THE IMPLEMENTATION OF THE DECREE.

NETHERLANDS
LR(A)

LAW OF JULY 12, 1962 (STB. 288) ON PESTICIDES. BESTRIJDINGSMIDDELENWET 1962 EN MESTSTOFFENWET 1947.
HOF, B. L., COMP.
DUTCH 00/00/70 PGS 1-23 EPA ID# 00604A
PESTICIDES

THIS LAW PROHIBITS THE SALE, HOLDING OR USE OF ANY UNAPPROVED PESTICIDE. AN APPROVED PESTICIDE IS ONE THAT BEARS ON THE LABEL OF ITS PACKAGING THE NAME OF THE APPROVED PRODUCT AND THE APPROVAL NUMBER. THE LAW PROVIDES THAT NO PESTICIDE MAY BE GRANTED A CLEARANCE UNLESS ITS CONSTITUENTS, COLOR AND FORM MEET GOVERNMENT GUIDELINES AND UNLESS IT IS SUITED FOR ITS INTENDED USE AND, WHEN USED CORRECTLY, WILL NOT CAUSE HARMFUL SIDE EFFECTS. AN APPROVED PESTICIDE MAY NOT BE SOLD UNLESS PRESCRIBED INSTRUCTIONS FOR ITS USE ACCOMPANY IT. THE LAW FURTHER REGULATES STORAGE AND DESTRUCTION PROCEDURES FOR EMPTY CONTAINERS AND UNUSED PESTICIDES. AUTHORIZED INSPECTORS ARE EMPOWERED TO TAKE SAMPLES OF PESTICIDES AND SEND THEM FOR EXAMINATION TO THE PLANT PROTECTION SERVICE OR TO THE FOOD INSPECTION SERVICE.

NETHERLANDS
LR(A)

JULY 16, 1964, ORDER NO. J 1991 ON EXCEPTIONS TO THE LAW ON PESTICIDES. BESTRIJDINGSMIDDELENWET 1962 EN MESTSTOFFENWET 1947.
HOF, B. L., COMP.
DUTCH 00/00/70 PGS 24-25 EPA ID# 00604B
PESTICIDES

THIS ORDER, ISSUED BY THE MINISTER OF AGRICULTURE AND FISHERIES AND THE MINISTER OF WELFARE AND PUBLIC HEALTH, LISTS A NUMBER OF CHEMICALS THAT ARE USED AS PESTICIDES WHICH ARE EXEMPTED FROM THE PROVISIONS OF THE JULY 12, 1962, LAW ON PESTICIDES.

EUR
NETHERLANDS
LR(A)

JULY 12, 1964, DECREE (STB. 319) ON RESIDUES. BESTRIJDINGSMIDDELENWET 1962 EN MESTSTOFFENWET 1947.
HOF, B. L., COMP.
DUTCH 00/00/70 PGS 154 EPA ID# 00604C
PESTICIDES

THIS ORDER DEFINES PESTICIDE RESIDUES IN TERMS OF THE 1962 LAW ON PESTICIDES.

NETHERLANDS
LR(A)

JULY 25, 1964, DECREE (STB. 328) ON PESTICIDES AS AMENDED.
BESTRIJDINGSMIDDELENWET 1962 EN MESTSTOFFENWET 1947.
HOF, B. L., COMP.
DUTCH 00/00/70 PGS 26-46 EPA ID# 00604D
PESTICIDES

IMPLEMENTING THE GENERAL 1962 LAW ON PESTICIDES, THIS DECREE SPECIFIES IN DETAIL WHO MAY BUY, HANDLE AND USE PESTICIDES MARKED AS POISONOUS, THE REGISTRATION OF SUCH PERSONS, THE PRECAUTIONS THAT MUST BE TAKEN AND THE FACILITIES THAT MUST BE AVAILABLE WHEN THESE PESTICIDES ARE USED, AND THE DESTRUCTION AND DISPOSAL PROCEDURES FOR EMPTY, CONTAMINATED PESTICIDE PACKAGES.

NETHERLANDS
LR(A)

AUG. 4, 1964, ORDER NO. 7, 2114 ON PESTICIDES, AS AMENDED.
BESTRIJDINGSMIDDELENWET 1962 EN MESTSTOFFENWET 1947.
HOF, B. L., COMP.
DUTCH 00/00/70 PGS 47-152 EPA ID# 00604E
PESTICIDES

THIS ORDER, ISSUED BY THE MINISTER OF AGRICULTURE AND FISHERIES AND BY THE MINISTER OF PUBLIC HEALTH AND WELFARE, SUPPLEMENTS THE PROVISIONS OF THE 1962 PESTICIDE LAW AND THE 1964 IMPLEMENTING DECREE IN REGARD TO PACKAGING. THE TEXT AND ACCOMPANYING TABLES INDICATE IN DETAIL THE INFORMATION THAT MUST BE GIVEN ON PACKAGING LABELS AND THE LIST OF PESTICIDES FOR WHICH GOVERNMENT APPROVAL IS REQUIRED.

EUR
NETHERLANDS
LR(A)

MARCH 15, 1965, ORDER NO. 93641 ON RESIDUES, AS AMENDED. BESTRIJDINGSMIDDELENWET 1962 EN MESTSTOFFENWET 1947.
HOF, B. L., COMP.
DUTCH 00/00/70 PGS 155-169 EPA ID# 00604F
PESTICIDES

THIS ORDER, ISSUED BY THE STATE SECRETARY FOR WELFARE AND PUBLIC HEALTH AND THE MINISTER OF AGRICULTURE AND FISHERIES, PRESCRIBES THE MAXIMUM AMOUNTS OF ACTIVE INGREDIENTS OF PESTICIDES AND THEIR TOXIC METABOLITES ALLOWABLE IN CERTAIN CATEGORIES OF FOODSTUFFS.

NETHERLANDS
LR(A)

OCT. 20, 1969, ORDER NO. 489/269 ON COMPETENT OFFICIALS. BESTRIJDINGSMIDDELENWET 1962 EN MESTSTOFFENWET 1947.
HOF, B. L., COMP.
DUTCH 00/00/70 PGS 153 EPA ID# 00604G
PESTICIDES

THIS ORDER, ISSUED BY THE MINISTER OF JUSTICE, DESIGNATES THE COMPETENT AUTHORITIES TO ADJUDICATE VIOLATIONS OF THE 1962 LAW ON PESTICIDES.

NETHERLANDS
LR(A)

JULY 2, 1934 LAW (STB. 352) ON INDUSTRIAL SAFETY, AS AMENDED. VEILIGHEIDSWET 1934.
'T HOEN,W.J. & I.L.RIKMENSPOEL,COMP.
DUTCH 00/00/71 PGS 18-22 EPA ID# 00609A
PESTICIDES

ARTICLE 7 OF THIS LAW EMPOWERS THE MINISTER OF SOCIAL AFFAIRS AND PUBLIC HEALTH TO MAKE REGULATIONS CONCERNING MEASURES TO BE TAKEN AGAINST POISONOUS OR DISAGREEABLE GASES AND DUSTS AND AGAINST OCCUPATIONAL POISONING AND CONTAMINATION.

NETHERLANDS
LR(A)

NOV. 19, 1938, DECREE (STB. 872) ON FACTORY AND WORKSHOP SAFETY, AS AMENDED. VEILIGHEIDSWET 1934.
'T HOEN,W.J. & I.L.RIKMENSPOEL,COMP.
DUTCH 00/00/71 PGS 80-83 EPA ID# 00609B
ALSO P.136-139,162-165
PESTICIDES

ARTICLES 1, 92-97, 181, 183, 184 AND 187 OF THIS DECREE IMPLEMENT THE 1934 LAW ON INDUSTRIAL SAFETY. ITS PROVISIONS ARE CONCERNED WITH SAFETY IN THE CHEMICAL INDUSTRY; MEASURES NECESSARY TO PREVENT THE DISCHARGE AND DISPERSION OF TOXIC OR DISAGREEABLE VAPORS, GASES AND DUSTS; AND THE PREVENTION OF OCCUPATIONAL OR ACCIDENTAL POISONING.

EUR
NETHERLANDS
LR(A)

MARCH 25, 1950, DECREE (STB. K 107) ON AGRICULTURAL SAFETY, AS AMENDED.
VEILGHEIDSWET 1934.
'T HOEN,W.J. & I.L.RIKMENSPOEL, COMP.
DUTCH 00/00/71 PGS 261-262 EPA ID# 00609C
PESTICIDES

ARTICLES 71, 72 AND 72A OF THIS DECREE IMPLEMENT THE 1934 LAW ON INDUSTRIAL SAFETY AS IT PERTAINS TO AGRICULTURE AND MENTION VARIOUS FORMS OF POISONING BY CHEMICAL COMPOUNDS, SOME OF WHICH ARE USED IN PEST CONTROL.

NETHERLANDS
LR(A)

COMPARATIVE HEALTH LEGISLATION: CONTROL OF PESTICIDES: NETHERLANDS.
INTERNATIONAL DIGEST OF HEALTH LEGISLATION, V. 20.
WORLD HEALTH ORGANIZATION
ENGLISH 00/00/69 PGS 637-644 EPA ID# 00614A
PESTICIDES

PUBLISHED BY THE WORLD HEALTH ORGANIZATION, THE CITED TEXT SUMMARIZES IN ENGLISH MAJOR DUTCH LEGISLATION ON THE CONTROL OF POISONS AND PESTICIDES, INCLUDING LENGTHY TREATMENT OF THE JULY 12, 1962, LAW ON PESTICIDES AND THE IMPLEMENTING DECREES OF JULY 25, 1964, AND AUGUST 4, 1964.

NETHERLANDS
LR(A)

KERNENERGIEWET (NUCLEAR ENERGY LAW) (FEB. 21, 1963) (STB. 82), AS AMENDED
VERGREGT, J.H., COMP.
DUTCH 00/00/70 PGS 19-95 EPA ID# 00717A
RADIATION

THIS LAW EMBODIES REGULATIONS REGARDING THE PRODUCTION OF NUCLEAR ENERGY AND THE USE OF RADIOACTIVE SUBSTANCES AND APPARATUS EMITTING RADIATION. THE LEGISLATION ESTABLISHES A CENTRAL NUCLEAR ENERGY BOARD, AN INDUSTRIAL ENERGY BOARD, AND A SCIENTIFIC NUCLEAR ENERGY BOARD AND OUTLINES THE FUNCTIONS OF EACH. FURTHER, IT PROHIBITS THE TRANSPORTATION, IMPORTATION AND EXPORTATION OF FISSILE ORES, THE ESTABLISHMENT OR OPERATION OF A PLANT IN WHICH NUCLEAR ENERGY MAY BE LIBERATED AND IN WHICH FISSILE MATERIALS MAY BE MANUFACTURED, CONVERTED OR STORED, OR THE INSTALLATION OR OPERATION OF EQUIPMENT DESTINED TO PROPEL BY NUCLEAR ENERGY A BOAT OR VEHICLE WITHOUT A LICENSE ISSUED BY THE MINISTERS OF ECONOMIC AFFAIRS AND OF SOCIAL AFFAIRS AND PUBLIC HEALTH. THE LAW PROVIDES FOR THE ISSUANCE OF REGULATIONS TO PROTECT MAN, ANIMALS, PLANTS, AND PROPERTY FROM INJURY FROM RADIATION AND FOR THE SHUT DOWN OF FACILITIES ENDANGERING WATER, AIR AND SOIL QUALITY. THE LAW IN ITS ENTIRETY BECOMES EFFECTIVE ON JANUARY 1, 1972.

EUR
NETHERLANDS
LR(A)

"DEFINITIONS DECREE OF AUG. 29, 1969 (STB. 358)." KERNENERGIEWET
VERGRAGT, J.H., COMP.
DUTCH 00/00/70 PGS 96-99 EPA ID# 00717B
RADIATION

THIS DECREE, ISSUED IN PURSUANCE OF THE NUCLEAR ENERGY LAW OF FEB. 21, 1963, GIVES DEFINITIONS FOR SOME 20 TERMS IN THE FIELDS OF RADIATION AND HEALTH PHYSICS. THE MINIMUM PERCENTAGES BY WEIGHT OF URANIUM, PLUTONIUM, AND THORIUM IN MATERIALS, FOR THEM TO BE CONSIDERED FISSILE, ARE 0.1, 0.1, AND 3% RESPECTIVELY. THE FOLLOWING ARE CONSIDERED AS ORES FOR THE PURPOSE OF THIS LAW: ORES (OTHER THAN MONAZITE) CONTAINING AT LEAST 0.1% URANIUM OR 3% THORIUM BY WEIGHT; MONAZITE CONTAINING AT LEAST 0.1% OF URANIUM OR 10% OF THORIUM BY WEIGHT.

NETHERLANDS
LR(A)

"SEPT. 4, 1969 DECREE (STB. 403) ON NUCLEAR INSTALLATIONS, FISSIONABLE MATERIALS AND ORES." KERNENERGIEWET
VERGRAGT, J.H., COMP.
DUTCH 00/00/70 PGS 114-146 EPA ID# 00717C
RADIATION

THIS DECREE SETS THE PROCEDURE FOR APPLYING FOR LICENSES TO DEAL IN OR USE FILLILE ORES, NUCLEAR INSTALLATIONS, OR NUCLEAR DEVICES FOR THE PROPULSION OF VEHICLES. LICENSES ARE MADE SUBJECT TO CERTAIN CONDITIONS INTENDED TO INSURE THAT RADIATION EXPOSURE OR CONTAMINATION OF PERSONS, ANIMALS, ETC. IS PREVENTED AS FAR AS POSSIBLE; IN CASES WHERE RADIATION EXPOSURE OR CONTAMINATION IS UNAVOIDABLE, THAT THIS IS KEPT TO THE MINIMUM; AND THAT IN CASS OF UNAVOIDABILITY, THE NUMBER OF PERSONS EXPOSED TO IONIZING RADIATION IS REDUCED TO THE EXTENT POSSIBLE. THE DECREE ALSO ENUMERATES EXEMPTIONS TO THE LICENSING REQUIREMENTS. (A FULL ENGLISH TRANSLATION OF THIS DECREE CAN BE FOUND IN SUPPLEMENT NO. 10 TO THE NOVEMBER 1972 ISSUE OF THE NUCLEAR LAW BULLETIN.)

NETHERLANDS
LR(A)

"SEPT. 4, 1969 DECREE (STB. 405) ON THE TRANSPORT OF FISSIONABLE MATERIALS, ORES, AND RADIOACTIVE SUBSTANCES." KERNENERGIEWET
VERGRAGT, J.H., COMP.
DUTCH 00/00/70 PGS 221-243 EPA ID# 00717D
RADIATION

THIS DECREE, CONTAINING A NUMBER OF PROVISIONS ON ENVIRONMENTAL POLLUTION THROUGH RADIOACTIVE SUBSTANCES, LAYS DOWN THE LICENSING SYSTEM GOVERNING THE DISPOSAL OF RADIOACTIVE SUBSTANCES. IT ALSO SPECIFIES THAT THE PROVISION WAIVING LICENSING REQUIREMENTS IN THE CASE OF RADIOACTIVE SUBSTANCES HAVING AN ACTIVITY LESS THAN 0.002 MICRONS CI/G IS NOT APPLICABLE TO THE DISPOSAL OF SUCH SUBSTANCES BY DISCHARGE INTO AIR OR WATER EXCEPT UNDER SPECIAL AND SPECIFIED CONDITIONS. (AN ENGLISH-LANGUAGE SUMMARY OF THIS DECREE CAN BE FOUND IN THE NOV. 1970 ISSUE OF THE NUCLEAR LAW BULLETIN.)

EUR
NETHERLANDS
LR(A)

"OCT. 8, 1969 DECREE (STB. 471) ON THE REGISTRATION OF FISSILE MATERIALS AND ORES." KERNENERGIEWET
VERGRAGT, J.H., COMP.
DUTCH 00/00/70 PGS 103-108 EPA ID# 00717E
RADIATION

THIS DECREE CONTAINS PROVISIONS FOR KEEPING A REGISTER TO FACILITATE THE DETERMINATION OF THE QUANTITY OF FISSIONABLE MATERIAL AND ORE PRESENT IN THE NETHERLANDS. THE AMOUNT AND CHEMICAL AND PHYSICAL CONDITION OF FISSIONABLE MATERIALS OR ORES HAVE TO BE REGISTERED AT REGULAR INTERVALS WITH THE DIRECTOR OF CENTRAL SERVICES FOR IMPORT AND EXPORT UNDER THE MINISTER OF ECONOMIC AFFAIRS

NETHERLANDS
LR(A)

"OCT. 16, 1969 DECREE (STB. 472) ON REGISTRATION OF RADIOACTIVE MATERIALS AND COSTS OF FOOD INSPECTION SERVICES." KERNENERGIEWET
VERGRAGT, J.H., COMP.
DUTCH 00/00/70 PGS 182-186 EPA ID# 00717F
RADIATION

THIS DECREE PROVIDES FOR THE ESTABLISHMENT OF A REGISTER TO BE MAINTAINED IN SUCH A WAY AS TO FACILITATE THE DETERMINATION OF THE TYPE AND LOCATION OF RADIOACTIVE SUBSTANCES BEING STORED. THE MINISTER OF WELFARE AND PUBLIC HEALTH CAN ESTABLISH FURTHER REGULATIONS CONCERNING THE REGISTER WHEN HE DEEMS IT NECESSARY.

NETHERLANDS
LR(A)

"OCT. 20, 1969 DECREE (STB. 476) ON NATIONAL DEFENSE EXEMPTIONS." KERNENERGIEWET
VERGRAGT, J.H., COMP.
DUTCH 00/00/70 PGS 308-313 EPA ID# 00717G
RADIATION

THIS DECREE SPECIFIES, FOR DEFENSE PURPOSES, THE EXEMPTIONS TO REGULATIONS THAT POSSESSION, TRANSPORTATION, ETC. OF FISSIONABLE MATERIALS AND ORES ARE SUBJECT TO PERMITS FROM THE MINISTER OF WELFARE AND PUBLIC HEALTH AND FROM THE MINISTER OF ECONOMIC AFFAIRS.

EUR
NETHERLANDS
LR(A)

"DEC. 5, 1969 ORDER (STAATSCOURANT 240) INDICATING COUNTRIES -- NUCLEAR ENERGY LAW." KERNENERGIEWET.
VERGRAGT, J.H., COMP.
DUTCH 00/00/70 PGS 353-355 EPA ID# 00717H
RADIATION

THIS DECREE, ISSUED BY THE MINISTER OF ECONOMIC AFFAIRS AND THE STATE SECRETARY WELFARE AND PUBLIC HEALTH, ENUMERATES THE COUNTRIES THAT REQUIRE PERMITS FOR THE TRANSPORT OF FISSIONABLE MATERIALS.

NETHERLANDS
LR(A)

"JUNE 17, 1971 SECRECY DECREE -- NUCLEAR ENERGY LAW." KERNENERGIEWET
VERGRAGT, J.H., COMP.
DUTCH 00/00/70 PGS 349-350 EPA ID# 00717J
RADIATION

ACCORDING TO THE PROVISIONS OF THIS DECREE, AN OBLIGATION TO OBSERVE SECRECY CAN BE IMPOSED UPON PERSONS WHO ARE ENGAGED IN THE NUCLEAR ACTIVITIES SPECIFIED IN THE DECREE, IF THE INTEREST OF THE STATE SO REQUIRES. (AN ENGLISH-LANGUAGE SUMMARY OF THIS DECREE CAN BE FOUND IN THE NOV. 1971 ISSUE OF THE NUCLEAR LAW BULLETIN.)

NETHERLANDS
LR(A)

"SEP 10, 1969 DECREE (STB. 404) ON RADIOACTIVE SUBSTANCES -- NUCLEAR ENERGY LAW."
KERNENERGIEWET.
VERGRAGT, J. H., COMP.
DUTCH 00/00/70 PGS 189-205 EPA ID# 00721A
RADIATION

THIS DECREE, ISSUED TO IMPLEMENT SECTIONS 28 TO 32 OF THE NUCLEAR ENERGY LAW, PROVIDES FOR PROTECTION AGAINST IONIZING RADIATION THROUGH LICENSING AND RULES FOR THE USE AND DISPOSAL OF RADIOACTIVE SUBSTANCES. (THIS DECREE WAS AMENDED ON JUN 17, 1971 TO ADD FURTHER EXEMPTIONS TO THE COMPLAINT PROCEDURE IN ORDER TO LIMIT THIS PROCEDURE TO THOSE CASES IN WHICH A CHANCE OF DANGER, DAMAGE OR NUISANCE EXISTS FOR PERSONS OUTSIDE OF THE STRUCTURE CONCERNED.)

EUR
NETHERLANDS
LR(A)

"SEP 10, 1969 DECREE (STB. 406) ON EQUIPMENT -- NUCLEAR ENERGY LAW."
KERNENERGIEWET.
VERGRACT, J. H., COMP.
DUTCH
RADIATION 00/00/70 PGS 262-273 EPA ID# 00723A

THIS DECREE SPECIFIES THE TYPE OF EQUIPMENT THAT MAY NOT BE USED WITHOUT A LICENSE FROM THE MINISTER OF SOCIAL AFFAIRS AND PUBLIC HEALTH AND DETAILS THE REQUIREMENTS GOVERNING THE USE OF THE EQUIPMENT, INCLUDING THE PROFESSIONAL CERTIFICATION OF THE OPERATORS, SAFETY OF THE EQUIPMENT AND CONFORMANCE TO STANDARDS, NECESSARY SHIELDING DEVICES, AND NOTIFICATION OF INTENT TO PUT SUCH EQUIPMENT INTO OPERATION OR TO SHUT IT DOWN.

NETHERLANDS
LR(A)

"OCT 13, 1969 DECREE (STB. 473) ON APPEALS FROM THE NUCLEAR ENERGY LAW."
KERNENERGIEWET.
VERGRAGT, J. H., COMP.
DUTCH
RADIATION 00/00/70 PGS 288-290 EPA ID# 00724A

THIS DECREE DECLARES THAT APPEALS FROM THE NUCLEAR ENERGY LAW SHOULD BE MADE IN THE FORM OF REQUESTS TO THE MINISTER OF WELFARE AND PUBLIC HEALTH AND TO THE MINISTER OF ECONOMIC AFFAIRS. WHEN A DECISION IS MADE CONTRARY TO WHAT IS ASKED IN THE REQUEST, THE PETITIONER IS REQUESTED TO EXPLAIN HIS APPEAL IN FURTHER DETAIL. REASONS FOR DECISIONS MUST BE FULLY GIVEN

NETHERLANDS
LR(A)

"OCT 22, 1969 DECREE (STB. 474) ON THE DUTIES OF OFFICIALS IN THE INSPECTION SERVICES -- NUCLEAR ENERGY LAW." KERNENERGIEWET.
VERGRAGT, J. H., COMP.
DUTCH
RADIATION 00/00/70 PGS 290-292 EPA ID# 00725A

THIS DECREE DESCRIBES THE RESPONSIBILITIES OF INSPECTION OFFICIALS WITHIN THE CONTEXT OF THE NUCLEAR ENERGY LAW.

EUR
NETHERLANDS
LR(A)

"OCT 16, 1969 DECREE (STB. 475) ON FEES -- NUCLEAR ENERGY LAW." KERNENERGIEWET.
VERGRAGT, J. H., COMP.
DUTCH 00/00/70 PGS 296-302 EPA ID# 00726A
RADIATION

THIS DECREE SETS THE AMOUNTS OF THE FEES DUE TO THE STATE FOR GRANTING PERMITS FOR THE TRANSPORTATION OF FISSIONABLE MATERIALS.

NETHERLANDS
LR(A)

"NOV 12, 1969 DECREE (STB. 514) TO IMPLEMENT ARTICLES 21, 29, 32, 34, 73, 74 AND 89 OF THE NUCLEAR ENERGY LAW." KERNENERGIEWET.
VERGRAGT, J. H., COMP.
DUTCH 00/00/70 PGS 319-323 EPA ID# 00728A
RADIATION

THIS DECREE PROVIDES FOR THE IMMEDIATE ENTRY INTO FORCE OF A NUMBER OF TEXTS, INCLUDING: CHAPTER I AND CHAPTERS III TO XI OF THE NUCLEAR ENERGY LAW: THE DEFINITIONS DECREE, THE DECREE ON THE REGISTRATION OF FISSIONABLE MATERIALS AND ORES, THE DECREE ON THE REGISTRATION OF RADIOACTIVE SUBSTANCES AND COSTS OF INSPECTION SERVICES, THE RADIOACTIVE SUBSTANCES DECREE, THE DECREE ON THE TRANSPORT OF FISSIBLE MATERIALS, ORES, AND RADIOACTIVE SUBSTANCES, AND THE EQUIPMENT DECREE.

NETHERLANDS
LR(A)

"DEC 2, 1969 ORDER STAATSCOURANT 241) INDICATING THE FIRST OFFICES -- NUCLEAR ENERGY LAW." KERNENERGIEWET.
VERGRAGT, J. H., COMP.
DUTCH 00/00/70 PGS 355-356 EPA ID# 00730A
RADIATION

THIS DOCUMENT LISTS THE OFFICES WHERE THE CARRIERS OF FISSIONABLE AND RADIOACTIVE MATERIALS MUST FIRST STOP BEFORE CONTINUING TRANSIT THROUGH THE NETHERLANDS.

NETHERLANDS
LR(A)

"OCT. 27, 1965 LIABILITY LAW (STB. 546) AS AMENDED." KERNENERGIEWET
VERGRAGT, J.H., COMP.
DUTCH 00/00/70 PGS 361-377 EPA ID# 00731A
RADIATION

THIS LAW DELINEATES THE LIABILITY OF AN OPERATOR OF A NUCLEAR INSTALLATION IN THE EVENT OF A NUCLEAR ACCIDENT, AND IT PROVIDES THAT DECREES MAY BE ISSUED TO DETERMINE FURTHER LIABILITY. THE OPERATOR IS ALSO LIABLE FOR DAMAGE CAUSED BY NUCLEAR MATERIALS IN TRANSIT IF THEY LAST ORIGINATED AT HIS INSTALLATION AND WERE NOT YET TAKEN OVER BY A SUBSEQUENT OPERATOR, AND ALSO WHEN ENROUTE TO A FOREIGN COUNTRY. HE IS NOT, HOWEVER, LIABLE FOR DAMAGE RESULTING FROM AN ARMED CONFLICT, CIVIL WAR, OR EXCEPTIONAL NATURAL DISASTER. THE LAW SETS LIABILITY AMOUNTS, BUT BARS COMPENSATION WHEN NO CLAIM HAS BEEN MADE WITHIN 10 YEARS OF THE ACCIDENT.

EUR
NETHERLANDS
LR(A)

"MARCH 18, 1963 SAFETY DECREE (STB. 98) CONCERNING IONIZING RADIATION, AS AMENDED." VEILIGHEIDSWET 1934
'T HOEN, W.J., AND I.L. RIKMENSPOEL, COMP. EPA
DUTCH 00/00/71 PGS 278-302 ID# 00732A
RADIATION

THIS DECREE, ISSUED IN PURSUANCE OF THE 1934 SAFETY LAW, STIPULATES THAT THE NUMBER OF WORKERS EXPOSED TO IONIZING RADIATION MUST BE KEPT AS LOW AS POSSIBLE AND THAT APPROPRIATE MEASURS MUT BE TAKEN TO PREVENT EXTERNAL RADIATION AND CONTAMINATION. IT PRESCRIBES MAXIMUM PERMISSIBLE DOSES OF RADIATION EXPOSURE. (AN ENGLISH-LANGUAGE TRANSLATION OF THIS DECREE APPEARS IN THE INTERNATIONAL DIGEST OF HEALTH LEGISLATION, V. 14, 1963, PP. 661-675.)

NETHERLANDS
LR(A)

"NOV. 27, 1964 ORDER (STAATSCOURANT 239) FOR CARRYING OUT ART. 33, PARA. 5 OF THE SAFETY DECREE ON IONIZING RADIATION." VEILIGHEIDSWET 1934
'T HOEN, W.J., AND I. L. RIKMENSPOEL, COMP. EPA
DUTCH 00/00/71 PGS 368-374 ID# 00732B
RADIATION

THIS ORDER ENUMERATES THE PROVISIONS FOR THE REGISTRATION OF THE DOSES OF IONIZING RADIATION TO WHICH EACH WORKER IS EXPOSED.

NETHERLANDS
LR(A)

"HEALTH LAWS AND REGULATIONS: NETHERLANDS." INTERNATIONAL DIGEST OF HEALTH LEGISLATION, V. 23, NO. 1
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/72 PGS 84-92 ID# 00735A
RADIATION

THIS ARTICLE SUMMARIZES DUTCH LEGISLATION ON PROTECTION AGAINST IONIZING RADIATION, CITING INDIVIDUAL LAWS, AMENDMENTS, AND DECREES. IT COVERS DEFINITIONS, LICENSING REGULATIONS FOR NUCLEAR INSTALLATIONS, MATERIALS, AND ORES, AS WELL AS THE TRANSPORTATION, IMPORTATION AND EXPORTATION OF THESE MATERIALS, AND RULES FOR THE USE AND DISPOSAL OF RADIOACTIVE SUBSTANCES.

EUR
NETHERLANDS
LR(A)

"PROTECTION AGAINST IONIZING RADIATIONS: NETHERLANDS." INTERNATIONAL DIGEST OF HEALTH LEGISLATION, V. 22, NO. 4
WORLD HEALTH ORGANIZATION
ENGLISH 00/00/71 PGS 785-797 EPA ID# 00736A
RADIATION

THIS ARTICLE SUMMARIZES DUTCH LEGISLATION ON PROTECTION FROM IONIZING RADIATION, CITING EACH INDIVIDUAL LAW, AMENDMENT, AND DECREE. TOPICALLY ARRANGED, THE ARTICLE COVERS THE COMPETENT AUTHORITIES, THE ADVISORY BODIES, THE OVERALL CONTROL SYSTEM IN THE FIELD OF NUCLEAR ENERGY, AND THE USE OF RADIOACTIVE SUBSTANCES AND EQUIPMENT EMITTING IONIZING RADIATION (WITHIN THE CONTEXT OF THE NUCLEAR ENERGY LAW), PENAL LEGISLATION, GENERAL RULES FOR RADIATION PROTECTION FROM THE STANDPOINT OF OCCUPATIONAL SAFETY AND MEDICAL SURVEILLANCE OF WORKERS, SPECIAL PROVISIONS APPLICABLE TO RADIOACTIVE SUBSTANCES AND TO EQUIPMENT EMITTING IONIZING RADIATION, CONTROL OF RADIOACTIVE POLLUTION OF THE ENVIRONMENT AS WELL AS THE TRANSPORT OF RADIOACTIVE MATERIALS, FOOD IRRADIATION, AND RADIATION PROTECTION IN MEDICAL ESTABLISHMENTS.

NETHERLANDS
LR(A)

GRONDWET VOOR HET KONINKRIJK DER NEDERLANDEN (CONSTITUTION OF THE KINGDOM OF THE NETHERLANDS.)
DUTCH 00/00/72 PGS 709 EPA ID# 00826A
SOLID WASTE

ARTICLE 153 OF THE DUTCH CONSTITUTION DELEGATES TO LOCAL AUTHORITIES THE REGULATION OF SOLID WASTE COLLECTION, INDICATING THAT THE RESPECTIVE MUNICIPAL COUNCILS WILL ISSUE THE NECESSARY ORDINANCES.

NETHERLANDS
LR(A)

GEMEENTEWET (LAW ON MUNICIPALITIES)
BORMAN, C., COMP.
DUTCH 00/00/70 PGS 75 EPA ID# 00827A
SOLID WASTE

ARTICLE 168 OF THIS JUNE 29, 1851 LAW (STB. 85) SPECIFIES THAT THE MUNICIPAL COUNCILS SHALL ISSUE ORDINANCES NECESSARY IN THE PUBLIC INTEREST OR FOR REASONS OF MORALITY OR HEALTH (FOR THE CONTROL OF SOLID WASTES).

EUR
NETHERLANDS
LR(A)

LAW ON POLLUTION OF THE SEA BY OIL OF JULY 9, 1958 (STB. 344) AS AMENDED.
MILIEUWETGEVING I.
CASSUTO, R. G. H., COMP.
DUTCH
WATER
00/00/71 PGS 89-97 EPA ID# 00528A

THIS LAW, IMPLEMENTING THE INTERNATIONAL AGREEMENT OF MAY 12, 1954, AND APPLYING WITH SOME EXCEPTIONS ONLY TO SHIPS UNDER THE DUTCH FLAG, PROHIBITS THOSE SHIPS FROM DISCHARGING OIL OR OILY MIXTURES INTO THE SEA. IF THE DISCHARGE OF OIL IS NECESSARY FOR THE SAFETY OF THE SHIP AND THE PERSONNEL AND CARGO ABOARD, THEN SUCH DISCHARGES ARE PERMISSIBLE. THE LAW ALSO REQUIRES THAT EVERY SHIP TRANSPORTING OR USING OIL MAINTAIN AN OIL JOURNAL AS AN APPENDIX TO THE SHIP'S LOG.

NETHERLANDS
LR(A)

DECREE OF SEPT. 2, 1958 (STB. 462) ON THE POLLUTION OF THE SEA BY OIL, AS AMENDED. MILIEUWETGEVING I.
CASSUTO, R. G. H., COMP.
DUTCH
WATER
00/00/71 PGS 98-120 EPA ID# 00528B

THIS DECREE LISTS SEA ZONES INTO WHICH THE DISCHARGE OF OIL AND OILY MIXTURES IS PROHIBITED, CONTAINS PROVISIONS ON OIL DRAINAGE, AND ENUMERATES THE HARBORS THAT MUST HAVE ADEQUATE FACILITIES TO RECEIVE OIL RESIDUES FROM SHIPS. THE DECREE ALSO PROVIDES INSTRUCTIONS FOR THE MAINTENANCE OF OIL JOURNALS AND A SEPARATE SET OF INSTRUCTIONS APPLICABLE ONLY TO TANKERS.

NETHERLANDS
LR(A)

LAW OF NOV. 13, 1969 (STB. 536) ON THE POLLUTION OF SURFACE WATERS.
MILIEUWETGEVING I
CASSUTO, R. G. H., COMP.
DUTCH
WATER
00/00/71 PGS 11-57 EPA ID# 00530A

UNDER THE PROVISIONS OF THIS LAW, EFFLUENTS, POLLUTANTS AND NOXIOUS SUBSTANCES MAY BE DISCHARGED INTO SURFACE WATERS ONLY UNDER A LICENSE AND VIA AN INSTALLATION SPECIFICALLY INTENDED FOR THE PURPOSE. FURTHER, THE LAW PROHIBITS THE DISCHARGE OF EFFLUENTS INTO THE SEA WITHIN A SPECIFIED DISTANCE FROM THE COAST, EXCEPT UNDER LICENSE. THE MINISTER OF TRANSPORT IS RESPONSIBLE FOR GRANTING AND WITHDRAWING LICENSES RELATING TO SURFACE WATERS UNDER STATE JURISDICTION; THE COMPETENT PROVINCIAL OFFICIAL, FOR LIKE DUTIES RELATING TO OTHER SURFACE WATERS. THE NATIONAL INSTITUTE FOR EFFLUENT TREATMENT HAS THE RESPONSIBILITY OF EXAMINING THE QUALITY OF SURFACE WATERS AND DEVISING METHODS FOR THEIR PROTECTION AGAINST POLLUTION.

EUR
NETHERLANDS
LR(A)

DECREE OF NOV. 5, 1970 (STB. 536) ON THE POLLUTION OF SURFACE WATERS UNDER STATE JURISDICTION. MILIEUWETGEVING I.
CASSUTO, R. G. H., COMP.
DUTCH 00/00/71 PGS 58-84 EPA ID# 00530B
WATER

THIS DECREE SPECIFIES THE INFORMATION THAT MUST ACCOMPANY APPLICATIONS FOR LICENSE TO DISCHARGE WASTES, POLLUTANTS OR OTHER HARMFUL SUBSTANCES INTO STATE WATERS OR THE OPEN SEA BY MEANS OF AN APPROPRIATE INSTALLATION. ANNEX I TO THE DECREE CONTAINS RULES FOR THE MEASUREMENT, SAMPLING, EXAMINATION AND CALCULATION PROCEDURES FOR ASCERTAINING THE LEVEL OF WATER POLLUTION. ANNEX II CONTAINS A TABLE INDICATING THE WASTEWATER COEFFICIENTS TO BE APPLIED IN ARRIVING AT THAT LEVEL.

NETHERLANDS
LR(A)

POLLUTION OF SURFACE WATER ACT AND THE EXECUTIVE DECREE ON POLLUTION OF STATE WATERS
VINK, H. J., ED.
ENGLISH PGS 1-30 EPA ID# 00530C
WATER

THESE EDITED ENGLISH TRANSLATIONS OF THE "NOV. 13, 1969 LAW ON THE POLLUTION OF SURFACE WATERS" AND THE "NOV. 5, 1970 DECREE ON THE POLLUTION OF SURFACE WATERS UNDER STATE JURISDICTIONS" WERE ISSUED BY THE NETHERLANDS MINISTER OF TRANSPORT AND WATER CONTROL. INTENDED CHIEFLY TO BE USED AS A POINT OF REFERENCE IN INTERNATIONAL CONSULTATIONS, THE TRANSLATIONS OMIT SOME PROVISIONS, SUCH AS THOSE DEALING WITH METHODS OF COLLECTING LEVIES, WHICH ARE FELT TO BE OF ONLY MINOR INTEREST.

NETHERLANDS
LR(B)

"WATER AND THE PROTECTION OF WATER RESOURCES IN THE LOW COUNTRIES." AGUA, NO. 77.
CHELTINGA, H. M. J., & T. VERHEUL
SPANISH 04/00/73 PGS 12-28 EPA ID# 00530D
ALSO PMB AND PMA
WATER

THIS MAGAZINE ARTICLE REVIEWS THE WATER SUPPLY HISTORY OF THE NETHERLANDS AND DISCUSSES THE PRESENT SITUATION AND FUTURE PROJECTIONS IN THE ADMINISTRATION AND SUPPLY OF WATER RESOURCES. THE ACTIVITIES OF THE WASTE PURIFICATION INSTITUTE (RIZA) AS WELL AS OTHER ADMINISTRATIVE, REGULATORY AND RESEARCH ACTIVITIES HAVE CULMINATED IN THE PASSAGE OF THE 1969 LAW ON SURFACE WATER POLLUTION. THE PROVISIONS AND PROGRAMS ENVISAGED IN THIS LAW ARE DISCUSSED IN DETAIL. IT FUNCTIONS ON THE "POLLUTER PAYS" PRINCIPLE AND BY MEANS OF A PERMIT SYSTEM. THE MOST NOTEWORTHY ASPECT OF THIS LAW IS THAT IT EMPOWERS THE AUTHORITIES TO OBTAIN PAYMENT FROM POLLUTERS IN PROPORTION TO THE DETRIMENTAL EFFECTS OF THEIR DISCHARGES. IN THIS MANNER, THE DISCHARGES OF UNTREATED WASTES WILL NOT BE PROFITABLE FOR INDUSTRIALISTS.

EUR
NETHERLANDS
LR(A)

"JULY 24, 1954 LAW ON THE EXTRACTION OF GROUNDWATER BY WATER SUPPLY INSTALLATIONS." STAATSBLAD 383
EPA
DUTCH 00/00/54 PGS 1055-58 ID# 01311A
WATER

THIS LAW REGULATES THE EXTRACTION OF GROUNDWATER FOR USE IN THE PUBLIC WATER SUPPLY. INCLUDED ARE PROVISIONS COVERING LICENSING OF GROUNDWATER EXTRACTING OPERATIONS, COMPENSATION FOR DAMAGES RESULTING FROM SUCH OPERATIONS, AND PENALTIES FOR NON-COMPLIANCE WITH THE PROVISIONS OF THE LAW. RESPONSIBILITY FOR IMPLEMENTATION OF THE LAW IS IN THE HANDS OF THE MINISTER OF SOCIAL AFFAIRS AND PUBLIC HEALTH, WHO IS TO APPOINT A TEN-MEMBER COMMISSION OF EXPERTS TO ADVISE ON MATTERS DEALING WITH GROUNDWATER EXTRACTION.

NETHERLANDS
LR(A)

"APRIL 6, 1957 LAW CONTAINING REGULATIONS ON THE SURVEILLANCE OF WATERWORKS AND ON THE ORGANIZATION OF THE PUBLIC DRINKING WATER SUPPLY." STAATSBLAD 150
EPA
DUTCH 00/00/57 PGS 343-49 ID# 01538A
WATER

THIS LAW LAYS DOWN THE STANDARDS OF HYGIENE TO BE OBSERVED BY WATER SUPPLY UNDERTAKINGS AND MAKES IT POSSIBLE FOR THE AREAS SUPPLIED BY THESE UNDERTAKINGS TO BE REORGANIZED AND ALSO FOR CERTAIN OBLIGATIONS TO BE IMPOSED ON THE UNDERTAKINGS AS REGARDS COOPERATION.

NETHERLANDS
PH(A)

SULFUR DIOXIDE - TO WHAT LEVEL IS IT ACCEPTABLE?
BRASSER L.J., JOOSTING P.E. & ZUILLEN D. VAN
EPA
ENGLISH 07/00/67 PGS 77 ID# 00327A
ALSO DUTCH/REPORT G300
AIR

THIS STUDY WAS ORIGINALLY PUBLISHED IN DUTCH IN SEPTEMBER 1966 BY THE RESEARCH INSTITUTE FOR PUBLIC HEALTH ENGINEERING, A DIVISION OF TNO (ORGANIZATION FOR APPLIED SCIENTIFIC RESEARCH). IT DISCUSSES THE PROBLEMS OF ESTABLISHING STANDARDS FOR SO2 (SULFUR DIOXIDE) CONCENTRATION AS WELL AS HOW TO COLLECT AND MEASURE THE DATA; THE EFFECTS OF SO2 ON PLANT LIFE AND VEGETATION AND THE HUMAN ORGANISM; AND THE EXISTING GUIDES AND STANDARDS IN THE U.S. AND EUROPE. IT CONCLUDES BY EXAMINING SO2 GUIDES FOR THE NETHERLANDS. INCLUDES TABLES AND GRAPHS.

EUR
NETHERLANDS
PM(B)

CENTRAL ENVIRONMENTAL MANAGEMENT SERVICE RIJNMOND. FOURTH QUARTER 1974 REPORT
EPA
DUTCH 00/00/74 PGS 1-83 ID# 02888A
AIR NOISE

THIS REPORT, COVERING OCTOBER, NOVEMBER, AND DECEMBER 1974, CONCENTRATES MOSTLY ON THE FINDINGS OF THE ROUTINE AIR AND NOISE MONITORING CONDUCTED BY THE CENTRAL ENVIRONMENTAL MANAGEMENT SERVICES OF THE RIJNMOND PUBLIC AUTHORITY, A SUPRAMUNICIPAL BODY HAVING JURISDICTION IN THE ROTTERDAM AREA. INTRODUCTORY SECTIONS CONSIDER GENERAL DATA, SUCH AS THE NUMBER OF WARNINGS ISSUED TO INDUSTRY AND THE MOST IMPORTANT INCIDENTS OF AIR POLLUTION OCCURRING IN THE LAST QUARTER OF 1974, AND COMPARE THESE WITH DATA FROM OTHER TIME PERIODS. SUCCEEDING SECTIONS AND APPENDIXES CONSIDER THE DATA OBTAINED FROM THE MONITORING SYSTEM FOR: SULFUR DIOXIDE, SMOKE, PRECIPITATES, HYDROCARBONS, LEAD AND OTHER HEAVY METALS, OZONE, AND NITROGEN OXIDES. NOISE STATISTICS ARE ALSO PRESENTED.

NETHERLANDS
PM(B)

"REGISTERING EMISSIONS OF ENVIRONMENTAL POLLUTANTS." TNO-PROJECT, VOL. 3, NO. 10
WACHTERS, L.H.J.
EPA
DUTCH 10/00/75 PGS 375-381 ID# 03371A
AIR WATER

SINCE 1974 THE NETHERLANDS HAS BEEN MAINTAINING A REGISTER OF EMISSIONS OF AIR AND WATER POLLUTING SUBSTANCES. THE EMMISSIONS-REGISTERING PROJECT, OPERATED JOINTLY BY TNO (ORGANIZATION FOR APPLIED SCIENTIFIC RESEARCH), THE DEPARTMENT OF HEALTH AND ENVIRONMENTAL PROTECTION, THE DEPARTMENT OF TRANSPORT, WATER CONTROL AND PUBLIC HEALTH, AND VARIOUS PROVINCIAL AND MUNICIPAL OFFICES, BEGAN RECORDING EMISSIONS IN SOUTH LIMBURG, HAS SINCE EXPANDED ITS OPERATIONS TO SOUTH HOLLAND, AND EVENTUALLY INTENDS TO COVER THE WHOLE OF THE NETHERLANDS. THE PROJECT, WHICH RELIES HEAVILY ON PROCEDURES DEVELOPED BY THE TECHNICAL MONITORING SOCIETY OF THE RHINELAND, RECORDS EMISSIONS NOT ONLY FROM INDUSTRIAL SOURCES BUT FROM TRAFFIC, SHOPS, OFFICES, RESIDENCES AND AGRICULTURE AS WELL. IN THIS ARTICLE, THE HEAD OF THE PROJECT DISCUSSES: THE SCOPE AND DEVELOPMENT OF THE PROJECT; THE EMISSION-REGISTERING SYSTEM; THE PROJECT'S ORGANIZATIONAL STRUCTURE; AND THE USES OF THE DATA COLLECTED.

EUR
NETHERLANDS
PM(B)

ENVIRONMENTAL HEALTH IN THE NETHERLANDS
MINISTRY OF PUBLIC HEALTH AND ENVIRONMENTAL HYGIENE EPA
ENGLISH 03/00/72 PGS 60 ID# 00239A
ALSO 1LR8
GENERAL WATER AIR NOISE SOLID WASTE RADIATION

AFTER A SURVEY OF THE GENERAL ENVIRONMENT OF THE NETHERLANDS, THE BOOK TURNS TO SPECIFIC PROBLEMS. THE FIRST OF THESE IS WATER: WATER SUPPLY, USE OF RESOURCES, QUALITY CONTROL, AND WATER POLLUTION. UNDER THE LATTER, IT DESCRIBES SEWAGE DISPOSAL IN THE MAJOR CITIES, NATIONAL STANDARDS AND GOVERNMENTAL ORGANIZATIONS, AND INTERNATIONAL PROBLEMS ARISING IN CONNECTION WITH THE RHINE. THE SECOND POINT IS AIR: IN A SIMILAR FRAMEWORK SUCH ORGANIZATIONS AS THE AIR POLLUTION COUNCIL AND LEGAL MEASURES SUCH AS THE AIR POLLUTION ACT OF 1970 ARE DISCUSSED. RADIATION POLLUTION IS PRESENTED BRIEFLY IN TERMS OF RESEARCH ORGANIZATIONS AND LEGAL MEASURES, AS ARE SOLID WASTES. FOUNDATIONS AND LEGAL MEASURES AGAINST NOISE ARE ALSO GIVEN. IN PARTICULAR THE PUBLIC NUISANCE ACT WHICH AFFECTS ALL THE ABOVE PROBLEMS. THE BOOK THEN PROCEEDS TO DISCUSS PROBLEMS ARISING FROM RECREATION AND HOUSING AND THE POSSIBILITIES OF ANTI-POLLUTION TRAINING AND STUDY.

NETHERLANDS
PM(B)

PUBLIC AUTHORITY RIJNMOND
EPA
ENGLISH 00/00/00 PGS 5 ID# 00250A
GENERAL AIR

THIS PAPER DESCRIBES THE RIJNMOND WHICH IS AN ELECTED ORGANIZATION WITH AUTHORITY TO PLAN FOR THE AREA (ROTTERDAM), COORDINATE POLICIES INCLUDING ENVIRONMENT AND WASTE DISPOSAL, AND TO ISSUE DIRECTIVES AND RECOMMENDATIONS. DURING THE LAST FIVE YEARS RIJNMOND HAS SERVED AS A LINK BETWEEN RESEARCH AND POLICY, HAS DONE ANALYSES FOR SPECIFIC PROJECTS, AND HAS TAKEN MEASURES PARTICULARLY AGAINST AIR POLLUTION. THE PAPER GOES ON TO DISCUSS RIJNMOND RESEARCH PROJECTS: SO2 CONCENTRATION IN THE AIR; INPUT-OUTPUT STUDIES; AND BROADER STUDIES.

NETHERLANDS
PM(A)

URGENTIENOTA: MILIEUHYGIENE (PRIORITY MEMORANDUM: ENVIRONMENTAL HYGIENE)
EPA
DUTCH 00/00/72 PGS 1-56 ID# 01620A
ALSO SE AND LR
GENERAL AIR WATER SOLID WASTE PESTICIDES RADIATION NOISE

THIS MEMORANDUM, ISSUED BY THE MINISTER OF HEALTH AND ENVIRONMENT TO THE PRESIDENTS OF THE TWO CHAMBERS OF THE STATES GENERAL (1971-72 SESSION: 11 906), COMPRISES TWO PARTS. PART 1, WHICH DEALS WITH GENERAL ISSUES, CONTAINS A SKETCH OF ENVIRONMENTAL PROBLEMS, DISCUSSES THE RELATIONSHIP BETWEEN HEALTH AND THE ENVIRONMENT, REVIEWS THE ECOLOGICAL CONTEXT, AND DISCUSSES ENVIRONMENTAL HYGIENE IN THE CONTEXTS OF SOCIOECONOMIC DEVELOPMENT, SPATIAL PLANNING, AND CONSERVATION. PART 2, WHICH PRESENTS THE "CRASH PROGRAM" FOR THE ENVIRONMENT, CONTAINS SECTIONS ON: THE POLLUTION OF SURFACE WATER: THE PUBLIC WATER SUPPLY; AIR POLLUTION; HANDLING OF WASTES; SOIL POLLUTION; NOISE CONTROL; NUCLEAR ENERGY AND IONIZING RADIATION; DOMESTIC HYGIENE; AND INSECT CONTROL. UNDER EACH SECTION A SHORT DESCRIPTION OF THE PROBLEM IS GIVEN, FOLLOWED BY AN ACCOUNT OF THE SHORT TERM MEASURES TAKEN TO COMBAT IT.

EUR
NETHERLANDS
PM(B)

MILIEU IN RIJNMOND (THE ENVIRONMENT IN RIJNMOND)
HAZELWINKEL, F.
DUTCH
GENERAL AIR NOISE 01/00/75 PGS 1-32 EPA ID# 02731A

THIS PUBLICATION PRESENTS A GENERAL SURVEY OF POLLUTION PROBLEMS AND CONSIDERS MEASURES TAKEN TO COMBAT THEM WITHIN THE JURISDICTION OF THE SUPRAMUNICIPAL RIJNMOND PUBLIC AUTHORITY, WHICH INCLUDES ROTTERDAM, THE SECOND LARGEST CITY IN THE NETHERLANDS. INCLUDED ARE A BRIEF HISTORICAL ACCOUNT OF RIJNMOND ENVIRONMENTAL ACTIVITIES, AN OVERVIEW OF THE CHIEF AIR POLLUTION PROBLEMS IN THE RIJNMOND AREA, AND A SURVEY OF THE ANTIPOLLUTION ACTIVITIES OF THE CENTRAL ENVIRONMENTAL MANAGEMENT SERVICE RIJNMOND. IN THIS LAST SECTION, SPECIAL ATTENTION IS GIVEN TO THE AUTOMATED MONITORING SYSTEM AND TO THE MEASURES TO BE TAKEN IN THE EVENT OF AN AIR POLLUTION EMERGENCY. MEASURES FOR DEALING WITH NOISE PROBLEMS ARE ALSO DISCUSSED.

NETHERLANDS
PM(B)

CENTRAL ENVIRONMENTAL MANAGEMENT SERVICE RIJNMOND. ANNUAL REPORT 1973
RIJNMOND PUBLIC AUTHORITY
DUTCH
GENERAL PGS 1-58 EPA ID# 02755A

THIS REPORT OF THE CENTRAL ENVIRONMENTAL MANAGEMENT SERVICE (CEMSR) OF THE SUPRAMUNICIPAL RIJNMOND PUBLIC AUTHORITY NOT ONLY COVERS ACTIVITIES FOR THE YEAR 1973 BUT ALSO INCLUDES BACKGROUND INFORMATION ON THE CEMSR AND INFORMATION DEALING WITH ACTIVITIES IN YEARS PRIOR TO 1973. VARIOUS SECTIONS DEAL WITH: THE HISTORY AND OVERALL ORGANIZATION OF THE CEMSR; THE WORK OF THE CEMSR LABORATORY AND THE AIR AND NOISE MONITORING FUNCTIONS OF THE ORGANIZATION; THE ACTIVITIES OF THE CEMSR DIVISIONS CONCERNED WITH THE IMPLEMENTATION OF THE 1970 AIR POLLUTION LAW AND THE LAW ON NUISANCES; AND THE ORGANIZATION AND FUNCTIONS OF THE ADMINISTRATIVE DEPARTMENT. GRAPHS, TABLES, CHARTS AND MAPS ACCOMPANY THE TEXT. AN ENGLISH-LANGUAGE ORGANIZATIONAL CHART IS ALSO INCLUDED.

NETHERLANDS
PM(A)

THE RHINE POLLUTION: A CASE STUDY BY THE NETHERLANDS' NATIONAL INSTITUTE FOR PUBLIC HEALTH
MINISTRY OF PUBLIC HEALTH & ENVIRONMENTAL HYGIENE
ENGLISH
ALSO GERMANY,FED.REP.OF
WATER PESTICIDES 06/00/72 PGS 11 EPA ID# 00338A

THIS STUDY, SPECIALLY PREPARED FOR THE STOCKHOLM CONFERENCE ON THE HUMAN ENVIRONMENT, DESCRIBES THE NETHERLANDS DISCOVERY OF, AND ITS REACTION TO, AN ENDOSULFAN (THIODAN) POISONING OF THE RHINE. THE POLLUTION, WHICH WAS DISCOVERED JUNE 24, 1969, WAS TRACED TO THE VICINITY OF GEISENHEIM, WEST GERMANY, ALTHOUGH ITS ORIGIN REMAINS UNKNOWN. THE PAMPHLET BRIEFLY DESCRIBES THE SAMPLING PROGRAM OF THE RHINE WHICH THE NETHERLANDS UNDERTOOK. ONE OF THE RESULTS OF THE INCIDENT WAS THE INSTITUTION OF A REGULAR SAMPLING PROGRAM BY THE NETHERLANDS, WHICH HAS REVEALED THAT CONSIDERABLE AMOUNTS OF TOXIC MATERIALS ARE CONSTANTLY PRESENT IN THE RIVER. THE PAMPHLET STATES THAT A BETTER MONITORING SYSTEM SHOULD BE FORMULATED, AND THAT MORE STRICT REGULATIONS FORBIDDING DIRECT DISPOSAL OF WASTE AND WASTEWATER INTO THE RHINE NEED TO BE MADE.

EUR
NETHERLANDS
SE( )

"ENVIRONMENTAL CONSERVATION IN THE NETHERLANDS." (5289) NETHERLANDS ECONOMIC BULLETIN FOR THE FOREIGN PRESS. NO. 621
NETHERLANDS. ECONOMIC INFORMATION SERVICE EPA
ENGLISH 11/00/73 PGS 18 ID# 01657A
GENERAL WATER

THIS SUMMARY ITEM REPORTS ON A SURVEY CONDUCTED AMONG MEMBERS OF THE ASSOCIATION OF THE NETHERLANDS CHEMICAL INDUSTRY ON THE AMOUNT OF MONEY SPENT BY ITS MEMBERS TO PREVENT ENVIRONMENTAL POLLUTION. FROM THE RESPONDING FIRMS, REPRESENTING 75% OF THE TURNOVER OF THE DUTCH CHEMICAL INDUSTRY, IT APPEARS THAT ABOUT 10% OF ALL CAPITAL EXPENDITURES WITHIN THE INDUSTRY WAS DEVOTED TO ENVIRONMENTAL CONSERVATION PROJECTS. THIS PERCENTAGE IS TWICE THAT ALLOCATED IN THE PREVIOUS YEAR (1971). THE NUMBER OF WATER PURIFICATION UNITS BUILT SINCE 1970 AND THE NUMBER PLANNED ARE CITED AS EXAMPLES OF THESE CAPITAL EXPENDITURES.

NETHERLANDS
ST( )

MILIEU-ONDERZOEK IN NEDERLAND (ENVIRONMENTAL RESEARCH IN THE NETHERLANDS)
EPA
DUTCH 05/00/72 PGS 1-215 ID# 00934A
ALSO PHB
GENERAL AIR WATER PESTICIDES NOISE SOLID WASTE RADIATION

THIS PUBLICATION, THE RESULT OF AN INVENTORY OF DUTCH RESEARCH IN THE GENERAL AREA OF ENVIRONMENTAL MANAGEMENT UNDERTAKEN BY THE STUDY AND INFORMATION CENTER TNO FOR RESEARCH IN THE SERVICE OF ENVIRONMENTAL MANAGEMENT, LISTS OVER 1,100 ONGOING AND CURRENT PROJECTS AT OVER 350 DIFFERENT DUTCH UNIVERSITIES, TECHNICAL SCHOOLS AND OTHER RESEARCH INSTITUTIONS. PROJECTS ARE CLASSIFIED UNDER SEVEN MAJOR HEADINGS: AIR POLLUTION, SOUND CONTROL, WATER POLLUTION, SOIL POLLUTION, THE RELATIONSHIP BETWEEN ENVIRONMENT AND SAFETY, THE RELATIONSHIP BETWEEN MAN AND THE ENVIRONMENT, AND ECOLOGY. EACH ENTRY INCLUDES A BRIEF DESCRIPTION OF THE PROJECT, GIVES THE NAME OF THE INSTITUTION AT WHICH IT IS BEING CARRIED OUT AS WELL AS OF OTHER INSTITUTIONS COOPERATING IN THE RESEARCH EFFORT, AND INDICATES THE PHASE OF OPERATIONS WHICH THE PROJECT HAS REACHED. AN EXTENSIVE KEYWORD INDEX TO THE PROJECTS IS INCLUDED.

NETHERLANDS
ST( )

TNO-NIEUWS, V. 27
NETHERLANDS ORGANIZATION FOR APPLIED SCIENTIFIC RESEARCH EPA
ENGLISH 10/00/72 PGS 525-642 ID# 01029A
ALSO LAB
PESTICIDES

THIS ISSUE, CONSISTING OF 18 ARTICLES PREPARED BY MEMBERS OF THE NETHERLANDS ORGANIZATION FOR SCIENTIFIC RESEARCH, REVIEWS THE IMPLICATIONS OF PESTICIDES AND RELATED COMPOUNDS FOR CERTAIN BIRDS AND MARINE MAMMALS. THE SUMMARY OF ARTICLES STRESSES THE NEED FOR LEGISLATION TO CONTROL THE USE OF INDUSTRIAL CHEMICALS WHERE ENVIRONMENTAL DAMAGE ARISES FROM APPLICATION RATHER THAN FROM THE PRODUCTION PROCESS. THE ISSUE CONTAINS ILLUSTRATIONS, BIBLIOGRAPHIES, AND TABLES AS WELL AS INTRODUCTORY SUMMARIES OF EACH ARTICLE. THE ARTICLE COVER THE IMPACT AND RESIDUE LEVELS OF CHEMICALS ON VARIOUS BIRDS AND BATS, THE MORTALITY INCIDENCE IN WILDLIFE FROM THE ABUSIVE USE OF PESTICIDES, THE TOXICITY OF TMTD, EXPERIMENTAL STUDIES WITH HCB, AND LIMITATIONS ON THE USE OF ENZYME INDUCTION IN THE ASSESSMENT OF THE ENVIRONMENTAL EFFECTS OF PESTICIDES.

EUR
NETHERLANDS
ST( )

"VERTICAL MOVEMENT OF PHOSPHATE IN FRESHWATER II." TNO-NIEUWS.
GOLTERMAN, H.L. EPA
ENGLISH 04/00/72 PGS 144-153 ID# 00774A
WATER

THE AUTHOR DISCUSSES THE VERTICAL MOVEMENT OF PHOSPHATE EXCHANGE IN FRESH WATER, NOTING THE CHEMICAL STEPS AND THE ROLE OF IRON, SULFUR, AND PHOSPHATES. HE ALSO DISCUSSES THE INFLUENCE OF WATER RENEWAL ON PHOSPHATE SEDIMENTATION; THE PHOSPHATE ADSORPTION AND DESORPTION BY SEDIMENTS AND EXCHANGE PROCESSES; AND THE EXCHANGE IN SHALLOW LAKES AS WELL AS THE AVAILABILITY OF MUD PHOSPHATES. THE ARTICLE MENTIONS THAT LITTLE WORK HAS BEEN DONE WITH RADIOPHOSPHATES. THE AUTHOR CITES VARIOUS STUDIES THROUGHOUT HIS ARTICLE, INCLUDING SOME ON LAKE ZURICH AND LAKE CONSTANCE. HE NOTES THAT VERY LITTLE IS KNOWN ABOUT CONVERSIONS BETWEEN THE DIFFERENT PHOSPHATES IN SEDIMENTS OVER LONG PERIODS OF TIME.

NETHERLANDS
ST( )

"CHANGE IN THE TEMPERATURE OF THE RHINE: A METEOROLOGICAL ANALYSIS."
DE INGENIEUR, V. 85, NO. 5
WESSELS, IR. H.R.A. EPA
DUTCH 02/01/73 PGS 88-90 ID# 01513A
WATER

THIS ARTICLE DISCUSSES THE CURRENT STATE OF THE THERMAL POLLUTION OF THE RHINE RIVER. WITH THE HELP OF DATA ON DAILY WATER TEMPERATURES GOING BACK TO 1909, WESSELS COMPARES WATER-TEMPERATURE AVERAGES (TW) WITH THE ESTIMATED TEMPERATURES OF WATER IN THERMAL BALANCE WITH THE ATMOSPHERE (TE). THE LATTER IS CALCULATED WITH WEATHER INFORMATION. THE RESULTS INDICATE A GENERAL RISE OF TW-TE OVER THE PAST 30 YEARS: AN AVERAGE OF 1.7 DEGREE CENTIGRADE IN WINTERS WITHOUT TOO GREAT AN ICE COVER AND 1.0 DEGREE C IN SUMMERS, DURING HIGH AND LOW DISCHARGE RESPECTIVELY.

NETHERLANDS
ST( )

KWIK IN HET NEDERLANDSE MILIEU (MERCURY IN THE DUTCH ENVIRONMENT) REPRINTED
FROM THE TNO-NIEUWS, 1971, V. 26
EPA
DUTCH 07/00/71 PGS 371-424 ID# 01514A
WATER

THIS REPRINT FROM THE TNO-NIEUWS (APPLIED SCIENCE RESEARCH JOURNAL) CONTAINS 14 ARTICLES ON MERCURY IN THE DUTCH ENVIRONMENT, A BIBLIOGRAPHY, AND AN APPENDIX LISTING THE MEMBERS OF THE MERCURY IN THE SEDIMENTS OF THE RHINE AND EMS RIVERS; SUPPLY OF DRINKING WATER-DANGER OF MERCURY POLLUTION; MERCURY IN FISH: DUTCH INLAND WATERS; MERCURY IN FISH: TOTAL MERCURY CONTENT IN FRESH-WATER AND SEA FISH; MERCURY IN FISH: CONTENT IN IMPORTED CANNED FISH; MERCURY IN THE DUTCH COASTAL ENVIRONMENT; MERCURY IN BIRD FEATHERS; INQUIRY INTO THE MERCURY CONTAMINATION OF OWLS AND BIRDS OF PREY; AND TECHNIQUES FOR THE ANALYSIS OF MERCURY IN THE ENVIRONMENT.

EUR
NETHERLANDS
ST( )

TNO-NIEUWS (APPLIED NATURAL SCIENCE RESEARCH). V. 27. NO. 9

DUTCH 09/00/72 PGS 415-516 EPA ID# 01539A
WATER AIR

THIS ISSUE OF THE JOURNAL IS DEVOTED TO THE PRESENCE AND EFFECT OF COPPER IN THE ENVIRONMENT IT INCLUDES 17 ARTICLES, EACH WITH AN ENGLISH SUMMARY AND A BIBLIOGRAPHY. THE ARTICLES ARE TITLED: MARINE COPPER POLLUTION; ENVIRONMENTAL TOXICOLOGY AND COPPER; APPLICATION AND USE OF COPPER IN THE NETHERLANDS; COPPER IN THE DUTCH DELTA; COPPER CONTENTS OF POTABLE AND UTILITY WATER; RECORDING OF THE COPPER CONTENT OF WATERWAYS AS DETERMINED BY MEANS OF CONTINUOUS ANALYSIS; ANALYSES OF COPPER AND OTHER METALS IN THE ENVIRONMENTAL; SPECTROCHEMICAL DETERMINATION BY EMISSION OF TRACE AMOUNTS OF COPPER AND OTHER ELEMENTS IN BIOLOGICAL MATERIAL; PHYSICO-CHEMICAL STATE OF COPPER IN SYNTHETIC SEA WATER; OCCURRENCE AND TOXICITY OF COPPER IN ORGANISMS IN FRESH- AND SEAWATER: A LITERATURE SURVEY; INFLUENCE OF PHOSPHATE ON THE TOXICITY OF COPPER TOWARD ALGAE; INFLUENCE OF COPPER ON THE WATER FLEA. LABORATORY TESTS FOR THE INFLUENCE OF COPPER ON MUSSELS; COPPER IN FISH; MONITORING HEAVY METALS ALONG THE DUTCH COAST: AND THE IMPORTANCE OF COPPER FOR OUR ENVIRONMENT.

NETHERLANDS
ST( )

MILIEU-ONDERZOEK IN NEDERLAND 1975 (ENVIRONMENTAL RESEARCH IN THE NETHERLANDS 1975)

DUTCH 00/00/75 PGS 1-370 EPA ID# 03205A
ALSO PMB
WATER AIR NOISE TOXIC SUBS LAND USE

THIS PUBLICATION OF THE TNO (ORGANIZATION FOR APPLIED SCIENTIFIC RESEARCH) STUDY AND INFORMATION CENTER FOR ENVIRONMENTAL RESEARCH LISTS CURRENT ENVIRONMENTAL RESEARCH PROJECTS IN THE NETHERLANDS. RESEARCH IN THE FOLLOWING AREAS IS COVERED: AIR POLLUTION, NOISE CONTROL, WATER POLLUTION, SOIL POLLUTION, AND NATURE AND SPATIAL PLANNING (INCLUDING ECOLOGY AND LANDSCAPE PLANNING). IN THE COMPILATION OF THIS REGISTER, WHICH LISTS 1376 PROJECTS AT OVER 600 LOCATIONS, MAJOR EMPHASIS WAS PUT ON RESEARCH PROJECTS IN UNIVERSITIES AND OTHER INSTITUTIONS OF HIGHER LEARNING, BUT RESEARCH BEING CONDUCTED BY GOVERNMENTAL ORGANIZATIONS AND, TO A LESSER EXTENT, BY BUSINESS ENTERPRISES IS INCLUDED AS WELL. EACH ENTRY INCLUDES NOT ONLY THE NAME AND LOCATION OF THE PROJECT BUT ALSO A BRIEF DESCRIPTION OF ITS WORK AND AN INDICATION OF ITS DURATION. AN EXTENSIVE KEYWORD INDEX IS APPENDED.

EUR
NORWAY
LR(A)

LOV AV 16. JUNI 1916 OM RETTSHOVE MELLOM GRANNAR MED ENDRINGER VED LOV AV 19. JUNI 1969 (JUNE 16. 1961 NEIGHBORS ACT WITH THE AMENDMENT OF JUNE 19. 1969)

EPA

NORWEGIAN 05/00/72 PGS 1-8 ID# 01452A
AIR RADIATION NOISE

THIS ACT DECLARES THAT INDUSTRIAL OR OTHER ENTERPRISES WHICH CAN SPREAD GASES. SMOKE. RADIATION OR THE LIKE IN A MANNER TO CAUSE DAMAGE OR INCONVENIENCE TO MANY PERSONS OR OVER A LARGE AREA ARE FORBIDDEN TO UNDERTAKE OPERATIONS LEADING TO SUCH HAZARDS WITHOUT PRIOR APPROVAL BY THE KING. THE ACT IS BINDING ON OLDER ENTERPRISES WHEN CHANGES IN OPERATION ARE CONTEMPLATED THAT CAN CAUSE INCREASED DAMAGE OR INCONVENIENCE. THE SMOKE DAMAGE COUNCIL CAN SET CONDITIONS FOR PERMITS AS NEEDED TO PROTECT PUBLIC INTERESTS OR THE INTERESTS OF PERSONS DIRECTLY AFFECTED BY THE EMISSIONS. THE CONDITIONS ARE FIXED ON A CASE-BY-CASE BASIS. AMENDMENTS TO THE ACT PERMIT THE GOVERNMENT TO SET REGULATIONS REQUIRING ENTERPRISES ESTABLISHED BEFORE 1962 TO APPLY FOR PERMITS EVEN WHEN THEY DO NOT PLAN CHANGES. THE ACT ALSO CONTAINS PROVISIONS LIMITING NOISE FROM FACTORIES.

EUR
NORWAY
LR(A)

"JUNE 19, 1970, LAW NO. 64 PLACING RESTRICTIONS ON THE USE OF FUEL OILS, ETC."
INT. DIG. OF HLTH. LEG., V. 23
WORLD HEALTH ORGANIZATION EPA
ENGLISH 00/00/72 PGS 307 ID# 01456A
AIR

THIS LAW EMPOWERS THE CROWN TO LIMIT AIR POLLUTION BY ISSUING REGULATIONS: (1) PROHIBITING THE COMBUSTION OF OIL, (2) PROHIBITING THE COMBUSTION OF OIL CONTAINING SULFUR AND RESIDUES IN EXCESS OF CERTAIN MAXIMUM LEVELS: AND (3) RELATING TO THE DESIGN, EQUIPMENT, AND OPERATION OF OIL-FIRED INSTALLATIONS. SUCH REGULATIONS MAY BE LIMITED TO SPECIFIED PERIODS OF THE YEAR OR TO OTHER SPECIFIED PERIODS OF TIME. EXEMPTIONS MAY BE GRANTED IN THE CASE OF CERTAIN TYPES OF OIL-FIRED INSTALLATIONS MEETING STANDARDS RELATING TO DESIGN, CHIMNEY HEIGHT, EQUIPMENT FOR EFFLUENT TREATMENT, SITING, ETC., AS WELL AS IN CERTAIN OTHER CASES. OTHER PROVISIONS REQUIRE, AMONG OTHER THINGS, THAT PERSONS USING OR TRADING IN FUEL OIL PROVIDE THE COMPETENT AUTHORITY WITH INFORMATION AND OIL SAMPLES AND PERMIT SUCH EXAMINATIONS AS ARE SPECIFIED BY THE CROWN. (THE ORIGINAL TEXT OF THIS LAW APPEARS IN NORSK LOVTIDEND, PT. 1, AUG. 3, 1970, NO. 20, PP. 993-994.)

NORWAY
LR(A)

"NOVEMBER 16, 1973 CROWN RESOLUTION PRESCRIBING REGULATIONS ON THE UTILIZATION OF LEADED PETROLEUM." INT. DIG. OF HLTH. LEG., V. 25, NO. 2
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/74 PGS 424 ID# 02315A
AIR

THESE REGULATIONS, ISSUED IN PURSUANCE OF THE JUNE 20, 1964 LAW NO. 5 ON PHARMACEUTICAL PRODUCTS AND POISONS, PROHIBIT THE SALE OR USE OF PETROL CONTAINING MORE THAN 0.4 GRAMS OF LEAD PER LITER AS A MOTOR FUEL (EXCEPT IN THE CASE OF AIRCRAFT FUEL). OTHER SUBSTANCES MAY NOT BE ADDED TO PETROL WITHOUT THE CONSENT OF THE MINISTRY OF SOCIAL AFFAIRS. LEADED PETROL MAY NOT BE USED IN HEATING OR LIGHTING INSTALLATIONS OR FOR CLEANING PURPOSES. MOREOVER, PETROL, IF IT IS LEADED, MUST BE COLORED IN ACCORDANCE WITH INSTRUCTIONS FROM THE MINISTRY. PUMPS SERVING TANKS CONTAINING LEADED PETROL MUST BE MARKED WITH A WARNING NOTICE INDICATING THAT THE PRODUCT IS TOXIC AND MAY BE USED ONLY AS A MOTOR FUEL.

EUR
NORWAY
LR(A)

"LOV AV 28. JUNI 1957 ON FRILUFTSLIVET MED ENDRINGER SIST VED LOV AV 19. JUNI 1969." (JUNE 28, 1957 OUTDOOR RECREATION ACT, AS AMENDED BY THE ACT OF JUNE 19, 1969.)
EPA
NORWEGIAN 00/00/72 PGS 1-15 ID# 01454A
GENERAL

THIS ACT CONTAINS PROVISIONS RELATING TO THE USE OF LAND FOR RECREATIONAL PURPOSES, ESPECIALLY WITH REFERENCE TO PUBLIC ACCESS TO PRIVATELY OWNED LAND. SECTION II MAKES PERSONS USING PRIVATE LAND RESPONSIBLE FOR DAMAGES THEY HAVE INCURRED. SECTION GIVES LOCAL AUTHORITIES THE POWER TO PROHIBIT CONSTRUCTION IN AREAS ALONG WATERWAYS, ETC. WHICH ARE OF SPECIAL IMPORTANCE TO THE OUTDOOR LIFE. THE OVERALL ADMINISTRATIVE AND LEGAL RESPONSIBILITY FOR ENFORCEMENT OF THE ACT RESTS WITH THE MINISTRY OF LOCAL AFFAIRS. RESPONSIBILITY FOR LOCAL ENFORCEMENT RESTS WITH THE COUNTY COUNCILS ACTING ON THE ADVICE OF THE STATE OUTDOOR RECREATION COUNCIL ESTABLISHED UNDER THE PROVISIONS OF THIS ACT.

NORWAY
LR(A)

"JUNE 19, 1970 LAW NO. 63 ON THE PROTECTION OF NATURE." INT. DIG. OF HLTH. LEG., V. 23
WORLD HEALTH ORGANIZATION, COMP.
EPA
ENGLISH 00/00/72 PGS 306-07 ID# 01455A
GENERAL

SECTION 2 OF THIS GENERAL LAW PROVIDES THAT PLANS FOR MAJOR INSTALLATIONS OR ACTIVITIES RESULTING IN A MAJOR CHANGE IN THE CHARACTER OF THE LANDSCAPE OR DANGER TO THE ENVIRONMENT MUST BE SUBMITTED TO A COMPETENT AUTHORITY UNDER THE LAW, WHICH MAY TAKE REASONABLE STEPS TO CONTROL OR RESTRICT SUCH DAMAGE. REGULATIONS FOR THE IMPLEMENTATION OF THESE PROVISIONS ARE TO BE ISSUED B BY THE CROWN WHICH MAY SPECIFY TYPES OF INSTALLATIONS OR ACTIVITIES SUBJECT TO THE LAW AND PROHIBIT THE COMMENCEMENT OF SPECIFIED TYPES OF WORK UNTIL AN OPINION HAS BEEN RENDERED BY THE COMPETENT AUTHORITY. FURTHER PROVISIONS RELATE TO: THE PROTECTION OF SPECIAL NATURE AREAS AND NATURAL RESOURCES; PROTECTION OF THE LANDSCAPE AND NATURAL ENVIRONMENT, INCLUDING PROHIBITIONS AGAINST DISCHARGING OR DUMPING WASTES IN A MANNER LIABLE TO DISFIGURE OR IMPAIR THE LANDSCAPE; AND THE COMPOSITION AND FUNCTIONS OF THE STATE NATURE PROTECTION BOARD. (THE ORIGINAL TEXT OF THIS LAW APPEARS IN NORSK LOVTIDEND, PT. 1, AUG. 3, 1960, NO. 20, PP. 987-993.)

EUR
NORWAY
LR(B)

ENVIRONMENTAL REGULATIONS FOR SVALBARD
NORWAY. THE MINISTRY OF ENVIRONMENT EPA
ENGLISH 00/00/74 PGS 1-41 ID# 03395A
ALSO PMB
GENERAL

THIS BOOKLET AIMS AT GIVING RESIDENTS OF AND TRAVELLERS TO THE ISLANDS OF SVALBARD INFORMATION ON THE UNIQUE ARCTIC ENVIRONMENT AND SOME OF THE MORE RELEVANT REGULATIONS PERTAINING TO IT. THE FOLLOWING SUBJECTS ARE INCLUDED: PRACTICAL GUIDELINES AND RULES FOR NOT DISTURBING THE VULNERABLE ENVIRONMENT; GENERAL INFORMATION CONCERNING SVALBARD, INCLUDING GEOGRAPHY, CLIMATE, POPULATION, ADMINISTRATION, AND PRESENT ACTIVITIES; REGULATIONS FOR HUNTING, CATCHING, AND PROTECTION OF GAME AND ESTABLISHMENT OF BIRD SANCTUARIES AND LARGE CONSERVATION AREAS; PROVISIONS FOR NATIONAL PARKS ON SVALBARD AND 15 BIRD SANCTUARIES ALONG THE WEST COAST OF SPITSBERGEN, THE MOST IMPORTANT ISLAND; THE ROYAL DECREE OF FEBRUARY 26, 1932, WHICH ESTABLISHES AREAS WHERE ALL VEGETATION IS PROTECTED AGAINST COLLECTION AND DESTRUCTION; REGULATIONS CONCERNING THE PROTECTION OF CULTURAL MONUMENTS; AND PROVISIONAL REGULATIONS TO CONTROL INTERFERENCE WITH NATURE ON SVALBARD AND JAN MAYEN. A DETAILED MAP OF THE AREA IS INCLUDED.

NORWAY
LR(A)

"BYGNINGSLOV AV 18. JUNI 1965 MED ENDRINGER SIST VED LOV AV 19. JUNI 1969."
(JUNE 18, 1965 BUILDING ACT AS AMENDED BY THE ACT OF JUNE 19, 1969.)
EPA
NORWEGIAN 00/00/72 PGS 1-54 ID# 014588
LAND USE WATER

THIS ACT CONTAINS GENERAL PROVISIONS REGARDING ENVIRONMENTAL PLANNING OF LAND USE (SECTIONS 3, 4 AND 9) AS WELL AS REGULATIONS AND BY-LAWS UNDER WHICH BUILDINGS ARE TO BE CONSTRUCTED (SECTIONS 10, 11, 12, 13 AND 14). SECTIONS 3 AND 4 STIPULATE OBLIGATORY PHYSICAL AND ECONOMIC LAND USE PLANNING BOTH AT THE COUNTY LEVEL AND AT THE MUNICIPAL LEVEL. SECTION 9 STIPULATES THE ENVIRONMENTAL CONDITIONS A SITE MUST FULFILL BEFORE BUILDING CONSTRUCTION CAN BE ALLOWED. THE SITE MUST HAVE SATISFACTORY WATER SUPPLY AND ADEQUATE PROVISIONS FOR SEWAGE DISPOSAL. THE AUTHORITY FOR IMPLEMENTATION OF THE ACT RESTS WITH THE COUNTY COUNCILS, THE MUNICIPAL COUNCILS, THE MUNICIPAL BUILDING COMMISSIONS AND THE COUNTY GOVERNOR. THE FINAL APPEAL INSTANCE IS THE MINISTRY OF ENVIRONMENT.

EUR
NORWAY
LR(A)

ACT OF JUNE 19, 1970, NO. 63 CONCERNING NATURE CONSERVANCY

EPA
ENGLISH 06/19/70 PGS 1-10 ID# 03469A
LAND USE

THIS ACT, PRESENTECD IN ENGLISH TRANSLATION, STIPULATES THAT NATURE IS A NATIONAL ASSET AND MUST BE PROTECTED. IT IS DIVIDED INTO THE FOLLOWING CHAPTERS: PURPOSE AND GENERAL PROVISIONS; THE PROTECTION OF SPECIAL NATURE AREAS AND NATURAL RESOURCES, INCLUDING NATIONAL PARKS, PROTECTED LANDSCAPE AREAS, NATURE RESERVES, AND NATURAL RELICS; SPECIAL PROVISIONS CONCERNING THE PROTECTION OF FLORA AND FAUNA; PROTECTION OF LANDSCAPE AND NATURAL ENVIRONMENT; THE STATE NATURE PRESERVATION COUNCIL; AND MISCELLANEOUS PROVISIONS. THIS ACT NULLIFIES THE DECEMBER 1, 1954 PROTECTION ACT. RESOLUTIONS PURSUANT TC THE 1954 ACT SHALL, HOWEVER, CONTINUE TO BE APPLICABLE INSOFAR AS THEY DO NOT CONTRAVENE PROVISIONS GIVEN ON OR IN PURSUANCE OF THIS ACT. (THE NATURE CONSERVANCY ACT WAS ORIGINALLY PUBLISHED IN NORSK LOVTIDEND I, 1970, PP. 987-993.)

NORWAY
LR(A)

"JULY 17, 1970 CROWN RESOLUTION EMBODYING AMENDMENTS TO THE REGULATIONS ON PLANT PROTECTION PRODUCTS, ETC." INT. DIG. OF HLTH., V. 23
WORLD HEALTH ORGANIZATION, COMP.

EPA
ENGLISH 00/00/72 PGS 308-09 ID# 01457A
PESTICIDES

THIS DECREE, AMENDING THE "DEC 4, 1964 CROWN RESOLUTION ON PLANT PROTECTION PRODUCTS" AND MADE PURSUANT TO THE "APR. 5, 1963 LAW ON PLANT PROTECTION PRODUCTS," REQUIRES THAT PESTICIDES AND OTHER PLANT PROTECTION PRODUCTS RECEIVE APPROVAL OF THE POISONS BOARD OF THE MINISTRY OF AGRICULTURAE BEFORE BEING MARKETED. CONDITIONS FOR APPROVAL AND INFORMATION TO BE INCLUDED ON APPLICATIONS FOR APPROVAL ARE SPECIFIED. DETAILED PROVISIONS ON PACKAGING AND LABELLING OF PESTICIDES ARE INCLUDED. SYSTEM FOR CLASSIFYING SUCH PRODUCTS ON A SCALE RANGING FROM HIGHLY TOXIC TO SLIGHTLY TOXIC IS PRESENTED AND USED AS THE BASIS FOR PROVISIONS RELATING TO CONDITIONS ON THE USE, MANUFACTURE, IMPORTATION AND SALE OF PLANT PROTECTION PRODUCTS. RESPONSIBILITY FOR SUPERVISION OF THE REGULATIONS RESTS VARIOUSLY WITH THE POISONS BOARD, THE STATE PLANT INSPECTORATE, THE CUSTOMS ADMINISTRATION, AND THE LABOR INSPECTORATE. (THE ORIGINAL NORWEGIAN TEXT APPEARS IN NROSK LOVTIDEND, PT. 1, AUG. 14, 1970, NO. 23, PP. 1146-48.)

EUR
NORWAY
LR(A)

"ACT NO. 28 OF 12TH MAY 1972 CONCERNING NUCLEAR ENERGY ACTIVITIES." NUCLEAR LAW BULLETIN. SUPPLEMENT TO NO. 11
EPA
ENGLISH 04/00/73 PGS 9-34 ID# 01658A
RADIATION

CHAPTER I OF THIS COMPREHENSIVE ACT DEFINES TERMS, STATES CONDITIONS UNDER WHICH INSTALLATIONS MAY BE EXEMPTED FROM PROVISIONS OF THE ACT, AND OUTLINES POLICY WITH REGARD TO TWO OR MORE INSTALLATIONS LOCATED ON THE SAME SITE. CHAPTER II PROVIDES FOR THE GRANTING OF CONCESSIONS FOR OWNING OR OPERATING NUCLEAR INSTALLATIONS AND OF PERMITS FOR HOLDING NUCLEAR SUBSTANCES, AND DETAILS THE CONDITIONS UNDER WHICH SUCH CONCESSIONS AND PERMITS MAY BE ISSUED AND REVOKED. IT ALSO OUTLINES THE COMPOSITION AND DUTIES OF THE NUCLEAR ENERGY SAFETY AUTHORITY, PROVIDES FOR SUPERVISION OF NUCLEAR ACTIVITIES, AND OBLIGES OPERATORS OF NUCLEAR INSTALLATIONS TO TAKE SAFETY PRECAUTIONS. CHAPTER III DEALS WITH COMPENSATIONS FOR NUCLEAR ACCIDENTS AND WITH LIABILITY INSURANCE FOR NUCLEAR INSTALLATIONS. CHAPTER IV PROVIDES, INTER ALIA, FOR PUBLIC SAFETY PRECAUTION MEASURES AND FOR PENALTIES FOR CONTRAVENTION OF THE PROVISIONS OF THE ACT. IMPLEMENTATION OF THE ACT IS IN THE HANDS OF THE CROWN AND THE MINISTER OF INDUSTRY.

NORWAY
LR(A)

"MARCH 6, 1970, LAW NO. 6 ON PROTECTION AGAINST DAMAGE DUE TO OIL."
INT. DIG. OF HLTH. LEG., V. 23
WORLD HEALTH ORGANIZATION, COMP.
EPA
ENGLISH 00/00/72 PGS 304-305 ID# 01459A
WATER

THIS LAW IS DESIGNED TO PREVENT, AVERT, AND RESTRICT DAMAGE DUE TO OIL IN THE SEA, IN WATERCOURSES AND ON LAND. IT EMPOWERS THE CROWN TO: PROHIBIT DISCHARGES OF OIL OR OIL-CONTAINING MIXTURES INTO THE SEA FROM VESSELS OR OTHER INSTALLATIONS IN NORWEGIAN TERRITORIAL WATERS OR FROM NORWEGIAN VESSELS OR OTHER INSTALLATIONS IN SEA AREAS WHERE SUCH DISCHARGES ARE PROHIBITED UNDER INTERNATIONAL AGREEMENTS TO WHICH NORWAY IS A PARTY; PROHIBIT SUCH DISCHARGES INTO THE SEA OR ON LAND IF THEY MAY ENTER THE SEA; ORDER THAT OIL SEPARATORS OR SIMILAR DEVICES BE INSTALLED ON NORWEGIAN VESSELS AND THAT PRECAUTIONARY MEASURES BE TAKEN TO PREVENT ESCAPE OF OIL; AND ORDER NORWEGIAN VESSELS TO KEEP A SPECIAL OIL REGISTER TO RECORD THE CLEANING OF TANKS, DISCHARGE OF OIL RESIDUES, ETC. THE CROWN IS TO APPOINT AN OIL PROTECTION COUNCIL TO PLAN AND CO-ORDINATE NATIONAL MEASURES TO PREVENT OIL DAMAGE. (THE ORIGINAL TEXT OF THIS LAW IS IN NORSK LOVTIDEND, PT. 1, APR. 14, 1970, NO. 8, PP. 446-51.

EUR
NORWAY
LR(A)

"JUNE 26, 1970, LAW NO. 75 ON THE PREVENTION OF WATER POLLUTION." INT. DIG. OF HLTH. LEG. ,V. 23
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/76 PGS 307-308 EPA ID# 01460A
WATER

THIS LAW IS INTENDED TO PROTECT GROUNDWATER, WATERCOURSES AND THE SEA AGAINST POLLUTION AND TO REDUCE POLLUTION, ESPECIALLY WHERE IT ENDANGERS: THE HEALTH AND WELL BEING OF MAN AND ANIMALS; WATER RESOURCES; OR NATURE AND THE COUNTRYSIDE. THE LAW REQUIRES LICENSING OF ACTIVITIES LIABLE TO: ENDANGER PUBLIC HEALTH OR MAKE WATER LESS SUITABLE FOR DRINKING OR OTHER NORMAL USES; RESULT IN DISAGREEABLE ODORS OR UNPLEASANT APPEARANCE; ADVERSELY AFFECT BEACHES OR OCEAN, RIVER OR LAKE BOTTOMS; OR RESULT IN HARMFUL CHANGES IN WATER LEVEL, FLOW OR TEMPERATURE. CONDITIONS FOR OBTAINING AND HOLDING SUCH LICENSES ARE SPECIFIED. THE CROWN IS EMPOWERED TO ISSUE REGULATIONS ON ACTIVITIES AND INSTALLATIONS ENTAILING A PARTICULAR POLLUTION RISK. THE MINISTRY OF INDUSTRY IS TO ASSIGN RESPONSIBILITY FOR SURVEILLANCE OF WATER POLLUTION TO AN AUTHORITY WHICH IS THEREBY EMPOWERED TO PROHIBIT DISCHARGES AND OBLIGED TO PROMOTE MEASURES TO PREVENT OR RESTRICT POLLUTION. (THE ORIGINAL TEXT OF THIS LAW IS IN NORSK LOVTIDEND, PT.1,AUG. 4, 1970, NO. 21, PP. 1073-1092.)

NORWAY
LR(A)

"JULY 14, 1972 REGULATIONS CONCERNING THE DUMPING OF SUBSTANCES LIABLE TO HAVE HARMFUL EFFECTS ON MARINE LIFE AND HUMAN HEALTH." NORSK LOVTIDEND, PART 1, NO. 24
NORWEGIAN 08/15/72 PGS 969-973 EPA ID# 01460B
WATER

THESE REGULATIONS, PROMULGATED BY A CROWN RESOLUTION, HAVE BEEN ISSUED IN PURSUANCE OF CERTAIN PROVISIONS OF THE JUNE 26, 1970 LAW ON THE PREVENTION OF WATER POLLUTION. THEY REPEAL THE REGULATIONS OF JUNE 11, 1971 ON THE PROHIBITION OF THE DUMPING OF TOXIC WASTES INTO THE SEA, AS AMENDED. PROHIBITED BY THE REGULATIONS IS THE UNAUTHORIZED DUMPING OF SUBSTANCES AND OBJECTS FROM SHIPS AND AIRCRAFTS INTO (1) THE HIGH SEAS, AND (2) NORWEGIAN AND SPECIFIED FOREIGN TERRITORIAL WATERS. DESIGNATED IN THE REGULATIONS ARE THOSE SUBSTANCES FOR WHICH DUMPING PERMITS MAY BE GRANTED. SPECIAL PERMITS ARE MADE MANDATORY FOR THE DUMPING OF A SECOND CATEGORY OF SUBSTANCES COMPRISING SUBSTANCES WHICH, THOUGH OF A NON-TOXIC NATURE, MAY BECOME HARMFUL DUE TO THE QUANTITIES IN WHICH THEY ARE DUMPED.

EUR
NORWAY
PM(A)

"ENVIRONMENTAL PROTECTION IN NORWAY" AND "NORWAY'S NATIONAL PARKS." NEWS OF NORWAY.
NORWAY. NORWEGIAN INFORMATION SERVICE EPA
ENGLISH 00/00/73 PGS 19;23-24 ID# 01018A
ALSO SE
AIR WATER NOISE

THE FIRST OF THESE TWO ARTICLES STATES THAT, WHILE A LOW-DENSITY POPULATION AND THE WIDESCALE INDUSTRIAL USE OF CLEAN, SMOKELESS HYDRO-ELECTRIVITY MAKE THE PROBLEMS OF POLLUTION LESS SEVERE THAN ELSEWHERE IN EUROPE, THESE PROBLEMS STILL EXIST. NORWEGIAN INDUSTRY DOES EXUDE SMOKE AND SEWAGE, AND THE DISPOSAL OF WASTES IS A MOUNTING CONCERN. THE ARTICLE SURVEYS BRIEFLY NORWEGIAN ACTIONS TO LIMIT POLLUTION AND CITES A PENDING BILL TO CONSERVE THE REMAINING WATERPOWER POTENTIAL IN ITS NATURAL STATE. IT ALSO OUTLINES THE RESPONSIBILITIES OF THE NEWLY CREATED MINISTRY FOR THE ENVIRONMENT. THE SECOND ARTICLE POINTS UP THE PROGRAM NOW UNDERWAY TO ESTABLISH A SERIES OF PARKS TO "PRESERVE NATURE UNSPOILED." IN THESE PARKS POLLUTION AND ENCROACHMENT WILL BE BANNED. THERE WILL BE NO TELEPHONE LINES, RAILROADS, OR ELECTRIC POWER STATIONS.

NORWAY
PM(A)

ACID PRECIPITATION AND ITS EFFECTS IN NORWAY
NORWAY. MINISTRY OF THE ENVIRONMENT EPA
ENGLISH 09/00/74 PGS 1-10 ID# 02656A
ALSO PMB
AIR GENERAL

ACID PRECIPITATION HAS CREATED SERIOUS PROBLEMS IN NORWAY AND IS CAUSING DAMAGE TO FISH AS WELL AS VEGETATION. THIS PAMPHLET FROM THE NORWEGIAN MINISTRY OF THE ENVIRONMENT PROVIDES INFORMATION ON THE NATIONAL STUDY OF THIS PROBLEM AND THE RESULTS WHICH HAVE BEEN OBTAINED THUS FAR. A BRIEF SUMMARY OF NORWEGIAN MEASURES DESIGNED TO COMBAT AND REDUCE EMISSIONS OF SULFUR DIOXIDE IS ALSO INCLUDED.

NORWAY
PM(B)

"NORWEGIAN OUTLINES INTERNATIONAL AND DOMESTIC ENVIRONMENTAL PRIORITIES."
DEPARTMENT OF STATE AIRGRAM, AMEMBASSY OSLO, A-168.
UNITED STATES, DEPARTMENT OF STATE EPA
ENGLISH 09/20/74 PGS 1-2 ID# 02171A
GENERAL

THIS ARTICLE SUMMARIZES THE 1974 PRIORITIES OF THE NORWEGIAN MINISTRY OF ENVIRONMENT. PROPOSED MEASURES ON THE NATIONAL LEVEL INCLUDE: (1) LEGISLATION FOR A PLANNING PROGRAM ON ENVIRONMENTAL POLICY AND ORGANIZATION SUPERVISED BY THE MINISTRY OF ENVIRONMENT, SOMEWHAT SIMILAR TO U.S. ENVIRONMENTAL IMPACT ASSESSMENTS; (2) CREATION OF A TOTAL INFORMATION SYSTEM FOR NATURAL RESOURCE MANAGEMENT COORDINATED BY THE MINISTRY OF ENVIRONMENT; (3) A POLLUTION LAW TO CONSOLIDATE CONSIDERATION OF AIR, NOISE, WATER, AND HAZARDOUS WASTE POLLUTION; AND (4) LEGISLATION TO REGULATE PRODUCTION, TRANSPORTATION AND IMPORTATION OF PRODUCTS HAVING A HARMFUL IMPACT ON THE ENVIRONMENT. AT THE INTERNATIONAL LEVEL, NORWAY PLANS TO EMPHASIZE ENVIRONMENTAL COOPERATION THROUGH THE OECD. OTHER INTERNATIONAL CONCERNS INCLUDE: INTENSIVE STUDY OF THE SOURCES AND ENVIRONMENTAL IMPACT OF ACID RAIN, STUDY OF ENVIRONMENTAL PROBLEMS IN THE ARCTIC, AND STUDY OF ENVIRONMENTAL IMPLICATIONS OF OFFSHORE OIL AND GAS EXPLORATION AND EXPLOITATION.

EUR
POLAND
LR(A)

"APRIL 21, 1966 LAW ON PREVENTION OF AIR POLLUTION." INT. DIG. HEALTH LEG., VOL 18
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/67 PGS 792-797 EPA ID# 01417A
AIR

THIS LAW ESTABLISHES PROVISIONS TO PREVENT AIR POLLUTION WHICH MAY ADVERSELY AFFECT CLIMATE, RESULT IN ECONOMIC LOSS, OR ENDANGER HEALTH OF MAN, ANIMALS OR PLANTS. ENTERPRISES CAUSING AIR POLLUTION MUST INSTALL PURIFICATION APPARATUS AND KEEP RECORDS OF EMISSION LEVELS. THE COUNCIL OF MINISTERS IS TO ISSUE STANDARDS ON MAXIMUM PERMISSIBLE CONCENTRATIONS OF ATMOSPHERIC POLLUTANTS AND REGULATIONS ON SANITARY-PROTECTION ZONES AROUND POLLUTING ENTERPRISES. PLANS FOR INDUSTRIAL DEVELOPMENT MUST BE APPROVED BY LOCAL AIR POLLUTION CONTROL AGENCIES, DESIGNATED AND SUPERVISED BY THE CENTRAL BUREAU FOR WATER MANAGEMENT. THE STATE SANITARY INSPECTORATE IS TO MONITOR POLLUTION LEVELS AND COOPERATE WITH LOCAL AGENCIES TO ENFORCE THIS LAW. INDUSTRIES MAY BE ORDERED TO INSTALL PURIFICATION APPARATUS AND CLOSED DOWN FOR FAILING TO COMPLY. THEY MAY BE TEMPORARILY SHUT DOWN DURING PERIODS OF HEAVY POLLUTION CONCENTRATION. (OFFICIAL TEXT IS IN DZIENNIK USTAW POLSKIEJ RZECZYPOSPOLITEJ LUDOWEJ, APRIL 29, 1966, NO. 14, PAGES 113-115).

EUR
POLAND
LR(A)

"JUL 15, 1966 ORDER ON MEASURING DISPERSION OF POLLUTION IN THE ATMOSPHERE." INT. DIG. HLTH. LEG., V. 18.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/67 PGS 797-798 ID# 014178
AIR

THIS ORDER, ISSUED BY THE CENTRAL BUREAU FOR WATER MANAGEMENT UNDER AUTHORITY OF THE APR 21, 1966 LAW ON AIR POLLUTION, ESTABLISHES RESPONSIBILITY OF THE STATE INSTITUTE OF HYDROLOGY AND METEOROLOGY TO PREPARE FORECASTS OF THE DISPERSION OF POLLUTION IN THE ATMOSPHERE. PRIORITY IS TO BE GIVEN TO HIGHLY INDUSTRIALIZED AREAS AND REGIONS IN WHICH NEW INDUSTRIES LIKELY TO CAUSE POLLUTION ARE TO BE LOCATED. EVENTUALLY, STUDIES ARE TO BE MADE OF EVERY REGION WITH DISTINCT TOPOGRAPHICAL AND METEOROLOGICAL CONDITIONS AFFECTING DISPERSION OF ATMOSPHERIC POLLUTION. (OFFICIAL TEXT IN MONITOR POLSKI, JUL 20, 1966, N. 36, P. 365.)

POLAND
LR(A)

"SEP 15, 1966 ORDER OF TRANSMITTING AIR POLLUTION INFORMATION TO RESPONSIBLE AGENCY AND DETERMINING ACCEPTABLE EMISSION LEVELS FOR ENTERPRISES." INT. DIG. HLTH. LEG., V. 18.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/67 PGS 798 ID# 01417C
AIR

UNDER THIS ORDER, ISSUED BY THE CENTRAL BUREAU FOR WATER MANAGEMENT PURSUANT TO THE APR 22, 1966 LAW ON AIR POLLUTION, ENTERPRISES DISCHARGING ATMOSPHERIC POLLUTANTS MUST PROVIDE DATA ON THE TYPE AND QUANTITY OF EMISSIONS AND CERTAIN INFORMATION ON THE NATURE OF THE ENTERPRISE TO THE LOCAL AGENCY RESPONSIBLE FOR PREVENTING AIR POLLUTION. THE LOCAL AGENCY, IN CONJUNCTION WITH THE STATE SANITARY INSPECTORATE, IS TO DETERMINE THE LEVEL OF POLLUTANTS AN ENTERPRISE MAY DISCHARGE. IN MAKING THIS DETERMINATION, THE AGENCY IS TO CONSIDER THE GENERAL LEVEL OF POLLUTION IN THE AREA, CONDITIONS AFFECTING DISPERSION OF POLLUTION, EXTENT OF DEVELOPMENT WITHIN A 10 KILOMETER RADIUS OF THE ENTERPRISE, AND TECHNICAL AND ECONOMIC FEASIBILITY OF REDUCING THE LEVEL OF EMISSIONS INTO THE AIR. (OFFICIAL TEXT IS IN MONITOR POLSKI, OCT 11, 1966, N. 55, P. 534.)

POLAND
LR(A)

"JAN 31, 1967 ORDER ON MEASUREMENT OF POLLUTION CONCENTRATIONS IN THE AIR" INT. DIG. HLTH. LEG., V. 19.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/68 PGS 832-833 ID# 01417D
AIR

THIS ORDER, ISSUED BY THE CENTRAL BUREAU FOR WATER MANAGEMENT AND THE MINISTER OF HEALTH AND SOCIAL WELFARE UNDER THE APR 21, 1966 AIR POLLUTION LAW, REQUIRES THAT EVERY ENTERPRISE DISCHARGING MORE THAN 40,000 CUBIC METERS OF ATMOSPHERIC POLLUTANTS PER YEAR PROVIDE FACILITIES FOR MONITORING AND RECORDING EMISSION LEVELS. STANDARDS ON PROCEDURES FOR MEASURING EMISSION LEVELS AND FORMULAS FOR CALCULATING QUANTITIES OF POLLUTANTS DISCHARGED ARE ESTABLISHED. NEWLY INSTALLED OR REPAIRED PURIFICATION APPARATUS MUST BE CHECKED WITHIN TWO WEEKS OF BECOMING OPERATIONAL. LOCAL POLLUTION CONTROL AGENCIES MAY ADJUST POLLUTION MONITORING REQUIREMENTS TO MEET LOCAL NEEDS. THE STATE SANITARY INSPECTORATE IS TO ESTABLISH A NETWORK OF AIR POLLUTION MONITORING STATIONS TO RECORD CONCENTRATIONS OF SULFUR DIOXIDE AND OTHER GASES IN THE AIR, CONCENTRATIONS OF NON-TOXIC DUST, AND DUST DEPOSITION RATES. (OFFICIAL TEXT IS IN MONITOR POLSKI, FEB 24, 1967, N. 11, PP. 94-96.)

EUR
POLAND
LR(A)

"MAR 23, 1967 DECREE ON SANITARY PROTECTION ZONES FOR PREVENTING ATMOSPHERIC POLLUTION." INT. DIG. HLTH. LEG., V. 19.
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/68 PGS 833 EPA ID# 01417E
AIR

THIS DECREE, ISSUED BY THE COUNCIL OF MINISTERS PURSUANT TO THE APR 21, 1966 LAW ON AIR POLLUTION, REQUIRES THAT A SANITARY PROTECTION ZONE BE ESTABLISHED AROUND ENTERPRISES WHICH DISCHARGE HIGH LEVELS OF ATMOSPHERIC POLLUTANTS CAUSING MAXIMUM PERMISSIBLE CONCENTRATIONS TO BE EXCEEDED. THE WIDTH OF THE ZONE IS TO BE DETERMINED BY THE CENTRAL BUREAU FOR WATER MANAGEMENT IN CONJUNCTION WITH OTHER AGENCIES. NO DWELLINGS OR BUILDINGS INTENDED FOR PERMANENT OCCUPATION AND NOT DIRECTLY RELATED TO OPERATIONS AT THE ENTERPRISE MAY BE LOCATED WITHIN THE ZONE. TREES, BUSHES AND OTHER SUITABLE PLANTS ARE TO BE CULTIVATED IN THE ZONE. (OFFICIAL TEXT IS IN DZIENNIK USTAW POLSKIEJ RZECZYPOSPOLITEJ LUDOWEJ, MAY 6, 1967, N. 15, PP. 95-96.)

POLAND
LR(A)

"MAY 30, 1967 ORDER ON WIDTH OF PROTECTION ZONES ESTABLISHED TO PREVENT AIR POLLUTION." INT. DIG. HLTH. LEG., V. 19.
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/68 PGS 833-834 EPA ID# 01417F
AIR

THIS ORDER, ISSUED BY THE CENTRAL BUREAU FOR WATER MANAGEMENT UNDER THE APR 21, 1966 LAW ON AIR POLLUTION, ESTABLISHES FIVE CATEGORIES OF ENTERPRISES DISCHARGING ATMOSPHERIC POLLUTANTS. REQUIRED WIDTH OF A SANITARY PROTECTION ZONE IS DEFINED FOR INDUSTRIES IN EACH CATEGORY. ADJUSTMENT MAY BE MADE IN THE REQUIRED WIDTH OF THE ZONE FOR A PARTICULAR ENTERPRISE TO COMPENSATE FOR LOCAL CLIMATIC OR TOPOGRAPHICAL CONDITIONS AFFECTING DISPERSION OF POLLUTION AND FOR UNUSUAL CONCENTRATIONS OF POLLUTION IN THE ATMOSPHERE, OR IN RESPONSE TO SPECIAL TECHNOLOGICAL PROCESSES AND THE USE OF PURIFICATION APPARATUS. (OFFICIAL TEXT IS IN MONITOR POLSKI, JUN 15, 1967, N. 32, PP. 341-345.)

POLAND
LR(B)

"ENVIRONMENT LAW IN POLAND." RECHT IN OST UND WEST, V. 16, NO. 3
LAMMICH, SIEGFRIED
GERMAN 05/15/72 PGS 123-126 EPA ID# 01045A
ALSO PHA
GENERAL AIR WATER

THIS ARTICLE, APPEARING IN A PROFESSIONAL LEGAL JOURNAL, EXAMINES ENVIRONMENT LAW IN POLAND. IT DISCUSSES ITS POSITION RELATIVE TO PRODUCTION PLANNING IN A STATE-PLANNED ECONOMY AND STRESSES THE INCREASING SIGNIFICANCE OF ENVIRONMENTAL LEGISLATION IN POLAND AND THE INTEREST WHICH POLISH AUTHORITIES ARE BEGINNING TO ATTACH TO THE CREATION OF LEGAL MECHANISMS TO DEAL WITH THE PROBLEMS OF AIR AND WATER POLLUTION. THE AUTHOR STATES THAT THE SOLUTION TO INDIVIDUAL PROBLEMS OF THE ENVIRONMENT IS INFLUENCED BY TWO SETS OF NORMS: PLANNING NORMS AND LEGAL STANDARDS; NOTING THAT IN THE CASE OF CONFLICT PREFERENCE IS USUALLY GIVEN TO THE FORMER. THERE IS, HOWEVER, A GROWING TENDENCY TO INTEGRATE ENVIRONMENTAL ACTION INTO PRODUCTION PLANNING. THE ARTICLE COVERS THE ORGANIZATION AND COMPETENCE OF ENVIRONMENTAL AGENCIES AND COORDINATION BETWEEN THEM. IT ALSO TRACES THE COURSE OF POLISH ENVIRONMENTAL LEGISLATION AND ITS LEGAL MECHANISMS AND PENALTY PROVISIONS IN TERMS OF THE ENVIRONMENTAL GOALS WHICH POLAND HAS OUTLINED FOR ITSELF.

EUR
POLAND
LR(A)

"AUG 14, 1954 DECREE ON THE STATE SANITARY INSPECTORATE." INT. DIG. HLTH. LEG., V. 7.
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/56 PGS 313-317 EPA ID# 01413A
GENERAL WATER AIR

THIS DECREE ESTABLISHES THE STATE SANITARY INSPECTORATE UNDER THE MINISTRY OF HEALTH. THE INSPECTORATE IS TO ISSUE STANDARDS AND REGULATIONS ON PREVENTION OF POLLUTION OF THE AIR, WATER OR SOIL WHICH MAY BE HARMFUL TO THE PUBLIC HEALTH. IT IS TO EVALUATE SANITARY ASPECTS OF PLANS FOR CONSTRUCTION OR RENOVATION AT INDUSTRIAL SITES, SEA PORTS OR RIVER PORTS. ADMINISTRATIVE STRUCTURE OF THE INSPECTORATE IS DEFINED FOR NATIONAL AND LOCAL LEVELS. (OFFICIAL TEXT IS IN DZIENNIK USTAW, AUG 25, 1954, N. 37, PP. 298-300.)

POLAND
LR(A)

"MAY 21, 1963 LAW ON POISONOUS SUBSTANCES." INT. DIG. HLTH. LEG., V. 15.
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/64 PGS 587-593 EPA ID# 01416A
PESTICIDES WATER

POISONOUS SUBSTANCES ARE DEFINED AS THOSE ENDANGERING HEALTH OR LIFE OF MAN OR ANIMALS. THE MINISTRY OF HEALTH AND SOCIAL WELFARE, IN CONJUNCTION WITH THE MINISTRY OF AGRICULTURE (IN THE CASE OF PESTICIDES) OR OTHER MINISTRIES, IS TO ESTABLISH LISTS OF POISONS AND DANGEROUS SUBSTANCES, INDICATING CONCENTRATIONS WHICH ARE HAZARDOUS. PROVISIONS ARE ESTABLISHED ON MANUFACTURE, STORAGE, TRANSPORT BY AIR OR WATER, PACKAGING AND LABELING OF POISONS. LICENSES FOR IMPORTATION, MANUFACTURE, SALE, PURCHASE AND USE OF PESTICIDES, RODENTICIDES, CERTAIN PHYTOPHARMACEUTICAL PRODUCTS AND OTHER AGRICULTURAL CHEMICALS WHICH ARE POISONOUS MUST BE ISSUED BY THE MINISTRY OF HEALTH. THAT MINISTRY AND ITS AGENCIES ARE RESPONSIBLE FOR INSPECTION AND ENFORCEMENT OF THIS LAW. PENALTIES FOR VIOLATIONS ARE ESTABLISHED. (OFFICIAL TEXT IS IN DZIENNIK USTAW POLSKIEJ RZECZYPOSPOLITEJ LUDOWEJ, MAY 22, 1963, N. 22, PP. 273-275.)

POLAND
LR(A)

"DEC 28, 1963 ORDER ON LABELING POISONOUS SUBSTANCES." INT. DIG. HLTH. LEG., V. 16.
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/65 PGS 724 EPA ID# 01416B
PESTICIDES

THIS ORDER, ISSUED BY THE MINISTRY OF HEALTH AND SOCIAL WELFARE UNDER THE "MAY 21, 1963 LAW ON POISONOUS SUBSTANCES," ESTABLISHES REQUIREMENTS FOR LABELING POISONS. PACKAGES CONTAINING POISONOUS SUBSTANCES MUST BEAR THE NAME OF THE SUBSTANCE OR SUBSTANCES AND, IF POSSIBLE, THEIR CONCENTRATIONS, A WARNING STATEMENT AND APPROPRIATE MARKINGS. INFORMATION ON TOXIC EFFECTS, AND PRECAUTIONARY MEASURES FOR USING IT IF IT IS TO BE COMMERCIALLY MARKETED. PHYTOPHARMACEUTICALS, PESTICIDES AND RODENTICIDES MUST BE LABELED WITH THE ACCEPTED INTERNATIONAL NAME AND THE TRADE NAME RATHER THAN THE CHEMICAL DESIGNATION. (OFFICIAL TEXT IS IN USTAW POLSKIEJ RZECZYPOSPOLITEJ LUDOWEJ, JAN 21, 1964, N. 2, PP. 10-11.)

FUR
POLAND
LR(A)

"DEC 28, 1963 ORDER ESTABLISHING LISTS OF TOXIC AND DANGEROUS SUBSTANCES." INT. DIG. HLTH. LEG., V. 16.
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH
PESTICIDES
00/00/65 PGS 724 EPA ID# 01416C

THIS ORDER, ISSUED BY THE MINISTRY OF HEALTH AND SOCIAL WELFARE TO IMPLEMENT PROVISIONS OF THE "MAY 21, 1963 LAW ON POISONOUS SUBSTANCES," ESTABLISHES TWO CATEGORIES OF POISONS. SIXTY-FIVE SUBSTANCES ARE CLASSIFIED AS TOXIC AND 187 SUBSTANCES ARE LISTED AS DANGEROUS. PRODUCTS USED AS PESTICIDES ARE INCLUDED. (OFFICIAL TEXT IS IN DZIENNIK USTAW POLSKIEJ RZECZYPOSPOLITEJ LUDOWEJ, JAND 21, 1964, N. 2, PP. 12-14.)

POLAND
LR(A)

"FEB 12, 1965 INSTRUCTION ON MEDICAL EXAMINATION OF APPLICATIONS FOR EMPLOYMENT INVOLVING EXPOSURE AND OF WORKERS EXPOSED TO IONIZING RADIATION." INT. DIG. HLTH. LEG., V. 17.
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH
RADIATION
00/00/66 PGS 591-592 EPA ID# 01414A

THIS INSTRUCTION, ISSUED BY THE MINISTRY OF HEALTH AND SOCIAL WELFARE UNDER THE MAY 23, 1957 DECREE ON SAFETY IN WORK WITH IONIZING RADIATION, REQUIRES MEDICAL EXAMINATIONS, PRIOR TO AND PERIODICALLY DURING EMPLOYMENT, FOR WORKERS EXPOSED TO IONIZING RADIATION. WORKERS PROTECTED BY THIS INSTRUCTION INCLUDE MEDICAL PERSONNEL USING X-RAY APPARATUS AND OTHER RADIATION SOURCES, PERSONS INVOLVED IN INDUSTRIAL USE OF RADIATION SOURCES, PERSONS WORKING IN MINING, PROCESSING STORAGE, TRANSPORT OR DISPOSAL OR RADIOACTIVE SUBSTANCES, RESEARCH PERSONNEL USING RADIATION SOURCES AND CERTAIN PERSONS EMPLOYED IN DOSIMETRIC SERVICES. RADIATION WORKERS MAY BE REQUIRED TO UNDERGO SPECIAL EXAMINATIONS WHILE EMPLOYED OR AFTER RETIREMENT IF THEY HAVE BEEN EXPOSED TO AN OVERDOSE OF RADIATION OR SHOW SIGNS OF AN OCCUPATIONAL DISEASE. LOCAL HEALTH AUTHORITIES MUST PROVIDE DOSIMETRIC CONTROL AT ENTERPRISES LACKING SUCH FACILITIES AND ARE TO ENFORCE THESE RULES. (DZIENNIK URZEDOWY MIN. ZDROWIA I OPIEKI SPOLECZNEJ MARCH 15, 1965).

POLAND
LR(A)

"JUN 18, 1968 DECREE ON SAFETY AND HYGIENE IN WORK WITH IONIZING RADIATION." INT. DIG. HLTH. LEG., V. 20.
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH
RADIATION
00/00/69 PGS 294-299 EPA ID# 01415A

THIS DECREE, ISSUED BY THE COUNCIL OF MINISTERS, ESTABLISHES TECHNICAL MEASURES TO PREVENT EXCESSIVE EXPOSURE OF INDIVIDUALS TO RADIATION OR CONTAMINATION OF THE ENVIRONMENT BY ENTERPRISES WORKING WITH SEALED AND UNSEALED SOURCES OF IONIZING RADIATION. SUCH ESTABLISHMENTS MUST EMPLOY A RADIATION PROTECTION SPECIALIST TO ORGANIZE DOSIMETRIC SURVEILLANCE AND MAINTAIN DOSE RECORDS. PROCEDURES FOR DETERMINING MAXIMUM PERMISSIBLE RADIATION DOSES ARE STIPULATED. PERIODIC MEDICAL EXAMINATIONS ARE REQUIRED FOR ALL RADIATION WORKERS. THE NUCLEAR ENERGY AGENCY AND THE MINISTRY OF HEALTH AND SOCIAL WELFARE ARE TO DEVELOP STANDARDS ON RADIOPROTECTIVE EQUIPMENT AND MONITOR THE DISPOSAL OF RADIOACTIVE WASTES AND DISTRIBUTION OF ALL RADIATION SOURCES. ESTABLISHMENTS WORKING WITH EXTREMELY HAZARDOUS RADIATION SOURCES (CLASS I) MUST BE LICENSED BY THE STATE SANITARY INSPECTORATE WITH APPROVAL OF THE NUCLEAR ENERGY AGENCY. CLASS II AND III ENTERPRISES ARE LICENSED BY LOCAL HEALTH AUTHORITIES. (DZIENNIK USTAW, JUNE 22, 1968).

EUR
POLAND
LR(A)

"DEC 15, 1969 ORDER ON MAXIMUM PERMISSIBLE DOSES OF IONIZING RADIATION AND OTHER RADIATION PROTECTION STANDARDS." INT. DIG. HLTH. LEG., V. 22.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/71 PGS 972-975 ID# 014158
RADIATION

THIS ORDER, ISSUED BY THE MINISTRY OF HEALTH AND SOCIAL WELFARE AND THE NUCLEAR ENERGY AGENCY UNDER PROVISIONS OF THE JUN 18, 1968 DECREE ON SAFETY IN WORK WITH IONIZING RADIATION, DIVIDES RADIATION WORKERS INTO TWO CATEGORIES: THOSE WORKING DIRECTLY WITH RADIATION SOURCES, AND THOSE EXPOSED AS A RESULT OF WORKING IN THE VICINITY OF RADIATION SOURCES. MAXIMUM PERMISSIBLE DOSES OF IONIZING RADIATION ARE ESTABLISHED FOR WORKERS OF EACH CATEGORY. DETAILED TECHNICAL STANDARDS ON PROCEDURES FOR DETERMINING DOSES RECEIVED BY RADIATION WORKERS ARE STIPULATED. MAXIMUM PERMISSIBLE CONCENTRATIONS OF ISOTOPES IN PARTICULAR ORGANS AND VARIOUS PARTS OF THE BODY ARE ESTABLISHED. MAXIMUM LEVELS OF SURFACE CONTAMINATION ARE SPECIFIED. WOMEN OF CHILD-BEARING AGE ARE SUBJECT TO SPECIAL STANDARDS. ENTERPRISES USING RADIATION SOURCES WHICH ARE ONLY SLIGHTLY HAZARDOUS ARE EXEMPTED FROM CERTAIN PROVISIONS OF THE JUN 18, 1968 DECREE. (OFFICIAL TEXT IS IN MONITOR POLSKI, JAN 19, 1970, N. 1, PP. 4-15.)

POLAND
LR(A)

"MAY 25, 1970 ORDER ON REQUIREMENTS FOR X-RAY ESTABLISHMENTS AND PRINCIPLES FOR WORK WITH X-RAY APPARATUS." INT. DIG. HLTH. LEG., V. 22.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/71 PGS 976-981 ID# 01415C
RADIATION

THIS ORDER, ISSUED BY THE MINISTRY OF HEALTH AND SOCIAL WELFARE PURSUANT TO THE JUN 18, 1968 DECREE ON SAFETY IN WORK WITH RADIATION, APPLIES TO X-RAY APPARATUS OPERATING AT A VOLTAGE ABOVE EIGHT KILOVOLTS. X-RAY ESTABLISHMENTS MUST EMPLOY A RADIATION PROTECTION SPECIALIST AND MAY NOT BE LOCATED IN BUILDINGS ADJACENT TO RESIDENTIAL PREMISES. TECHNICAL STANDARDS ARE ESTABLISHED ON DESIGN OF X-RAY ROOMS AND MEDICAL AND INDUSTRIAL X-RAY APPARATUS, PROTECTIVE DEVICES REQUIRED AT MEDICAL AND INDUSTRIAL X-RAY ESTABLISHMENTS, AND FACILITIES FOR PATIENTS AND PERSONNEL AT MEDICAL AND DENTAL X-RAY LABORATORIES. X-RAY ESTABLISHMENTS MUST BE LICENSED BY THE STATE SANITARY INSPECTORATE AND MUST MAINTAIN RECORDS OF DOSIMETRIC MEASUREMENTS. LOCAL HEALTH AUTHORITIES ARE TO ENFORCE THIS LAW. (OFFICIAL TEXT IS IN MONITOR POLSKI, JUN 12, 1970, N. 18, PP. 295-296.)

EUR
POLAND
LR(A)

"APRIL 12, 1973 LAW ON THE ESTABLISHMENT OF AN ATOMIC ENERGY AGENCY."
DZIENNIK USTAW POLSKIEJ RZECZYPOSPOLITEJ LUDOWEJ, NO. 12

POLISH
RADIATION

06/08/73 PGS 129-130 EPA ID# 02977A

THIS LAW PROVIDES FOR THE ESTABLISHMENT OF AN ATOMIC ENERGY AGENCY TO FUNCTION AS THE CENTRAL STATE AUTHORITY FOR MATTERS PERTAINING TO THE UTILIZATION OF ATOMIC ENERGY. THE AGENCY IS SUBORDINATE TO THE CHAIRMAN OF THE COUNCIL OF MINISTERS. THE RESPONSIBILITIES OF THE AGENCY INCLUDE: THE ORGANIZATION OF THE PRODUCTION OF RADIOACTIVE SUBSTANCES AND MATERIALS INTENDED FOR USE IN NUCLEAR TECHNOLOGY OR FOR PURPOSES OF PROTECTION AGAINST IONIZING RADIATIONS; AND THE RESOLUTION OF PROBLEMS RELATING TO THE UTILIZATION OF ATOMIC ENERGY AND PROTECTION AGAINST IONIZING RADIATIONS.

POLAND
LR(A)

"MAY 31, 1973 ORDINANCE OF THE COUNCIL OF MINISTERS ON THE SPECIFIC SPHERE OF ACTIVITIES OF THE ATOMIC ENERGY AGENCY." DZIENNIK USTAW POLSKIEJ RZECZYPOSPOLITEJ LUDOWEJ, NO. 22

POLISH
RADIATION

06/08/73 PGS 253-254 EPA ID# 02977B

ISSUED IN PURSUANCE OF THE APRIL 12, 1973 LAW ON THE ESTABLISHMENT OF AN ATOMIC ENERGY AGENCY, THIS ORDINANCE ENUMERATES THE SPECIFIC FUNCTIONS OF THE AGENCY. INCLUDED AMONG ITS RESPONSIBILITIES ARE: THE SUPERVISION OF THE CORRECT UTILIZATION, STORAGE AND TRANSPORT OF RADIOACTIVE SUBSTANCES; THE ORGANIZATION OF THE DISPOSAL AND SAFE MANAGEMENT OF RADIOACTIVE WASTES; AND THE FORMULATION OF RECOMMENDATIONS AND SUPERVISION AS REGARDS THE INTRODUCTION OF THE REQUISITE SAFETY MEASURES IN THE ESTABLISHMENT AND OPERATION OF NUCLEAR INSTALLATIONS.

POLAND
LR(A)

"APRIL 12, 1973 LAW NO. 88 ON THE ESTABLISHMENT OF AN ATOMIC ENERGY AGENCY."
DZIENNIK USTAW POLSKIEJ RZECZYPOSPOLITEJ LUDOWEJ, NO. 12, 1973

POLISH
RADIATION

04/18/73 PGS 129-130 EPA ID# 03550A

THIS LAW PROVIDES FOR THE ESTABLISHMENT OF A POLISH ATOMIC ENERGY AGENCY, SUBORDINATE TO THE CHAIRMAN OF THE COUNCIL OF MINISTERS, TO SERVE AS THE CENTRAL STATE AUTHORITY FOR MATTERS PERTAINING TO THE DEVELOPMENT OF ATOMIC ENERGY IN POLAND. THE AGENCY'S RESPONSIBILITIES INCLUDE THE ORGANIZATION OF THE PRODUCTION OF RADIOACTIVE SUBSTANCES, APPARATUS, AND OTHER MATERIALS USED IN NUCLEAR TECHNOLOGY, ENSURING THE PROTECTION AGAINST IONIZING RADIATIONS; AND COOPERATION WITH COMPETENT MINISTERS OR HEADS OF GOVERNMENT IN RESOLVING PROBLEMS RELATING TO THE UTILIZATION OF ATOMIC ENERGY AND PROTECTION AGAINST IONIZING RADIATIONS. THE SPECIFIC SPHERE OF ACTIVITIES OF THE AGENCY IS TO BE LAID DOWN, BY WAY OF ORDINANCE, BY THE COUNCIL OF MINISTERS.

EUR
POLAND
LR(A)

"MAY 31, 1973 ORDINANCE NO. 128 OF THE COUNCIL OF MINISTERS CONCERNING THE SPECIFIC SPHERE OF ACTIVITIES OF THE ATOMIC ENERGY AGENCY." DZIENNIK USTAW, NO. 22, 1973
EPA
POLISH 06/08/73 PGS 253-254 ID# 035508
RADIATION

THIS ORDINANCE IMPLEMENTS THE PROVISIONS OF THE POLISH ATOMIC ENERGY AGENCY LAW OF APRIL 12, 1973 AND FURTHER SPECIFIES THE FUNCTIONS FALLING WITHIN THE SPHERE OF ACTIVITIES OF THE AGENCY. THESE FUNCTIONS ARE: THE ORGANIZATION OF THE PRODUCTION AND DISTRIBUTION OF RADIOACTIVE SUBSTANCES, APPARATUS, AND MATERIALS FOR USE IN NUCLEAR TECHNOLOGY; ORGANIZATION OF THE PRODUCTION OF DEVICES FOR PROTECTION AGAINST RADIATION; SUPERVISION OF THE CORRECT UTILIZATION, STORAGE, AND TRANSPORT OF RADIOACTIVE SUBSTANCES AS WELL AS SAFETY TECHNIQUES IN NUCLEAR INSTALLATIONS; ORGANIZATION OF RADIOACTIVE WASTE DISPOSAL AND MANAGEMENT; THE ORGANIZATION AND COORDINATION OF RADIATION MONITORING IN POLAND; AND THE FORMULATION OF RECOMMENDATIONS CONCERNING THE LOCATION AND OPERATING CONDITIONS OF NUCLEAR INSTALLATIONS.

POLAND
LR(A)

"JANUARY 31, 1961 LAW ON PREVENTION OF WATER POLLUTION." FOOD AND AGRICULTURAL LEGISLATION, V. 10
U. N. FOOD AND AGRICULTURE ORGANIZATION, COMP.
EPA
ENGLISH 12/01/61 PGS 1-9 ID# 01418A
WATER AIR

THIS LAW IS TO PREVENT OR ELIMINATE POLLUTION CAUSING WATER TO BECOME UNFIT FOR NORMAL USE, INCLUDING AIR AND SOIL POLLUTION AFFECTING WATER QUALITY. THE CENTRAL BUREAU FOR WATER MANAGEMENT AND THE COUNCIL OF MINISTERS SHALL DETERMINE SCOPE, PRINCIPLES AND PROCEDURES FOR IMPLEMENTATION OF ANTI-POLLUTION PROGRAMS. POLLUTING ENTERPRISES MUST INSTALL PURIFICATION APPARATUS. THE COUNCIL IS AUTHORIZED TO DESIGNATE LOCAL AGENCIES TO IMPLEMENT THIS LAW, ESTABLISH MAXIMUM PERMISSIBLE LEVELS OF EFFLUENTS AND CONDITIONS FOR DISCHARGING WASTEWATER, AND ISSUE SPECIAL REGULATIONS FOR CERTAIN WATER BODIES. LOCAL WATER AUTHORITIES ARE EMPOWERED TO APPROVE PLANS FOR CONSTRUCTION OR MODIFICATION OF POLLUTING ENTERPRISES, AUTHORIZE CERTAIN ESTABLISHMENTS TO DISCHARGE EFFLUENTS AT A LEVEL HIGHER THAN GENERALLY PERMITTED, AND MONITOR EFFECTIVENESS OF PURIFICATION APPARATUS. PERSONS RESPONSIBLE FOR POLLUTION DAMAGE MAY BE REQUIRED TO PAY COMPENSATION AND ARE SUBJECT TO PENAL LIABILITY. (OFFICIAL TEXT: DZIENNIK USTAW, JULY 18, 1970, NO. 17, PAGES 193-196).

EUR
POLAND
LR(A)

"MAY 30, 1962 LAW ON WATER MANAGEMENT." DZIENNIK USTAV POLSKIEJ RZECZYPOSPOLITEJ LUDOWEJ, N. 34.

POLISH 06/11/62 PGS 296-297 EPA ID# 01419A
WATER

THIS LAW ESTABLISHES GENERAL PRINCIPLES ON WATER MANAGEMENT. SECTION IV DEALS WITH PREVENTION OF WATER POLLUTION. ARTICLE 83 EMPOWERS THE COUNCIL OF MINISTERS TO ISSUE STANDARDS ON MAXIMUM PERMISSIBLE CONCENTRATIONS OF POLLUTANTS IN WATER BODIES, AND TO DETERMINE CONDITIONS UNDER WHICH EFFLUENTS MAY BE DISCHARGED. THE COUNCIL MAY PROHIBIT DISCHARGE OF WASTEWATER INTO CERTAIN WATER BODIES.

POLAND
LR(A)

"JUN 9, 1970 DECREE ON PERMISSIBLE WATER POLLUTION STANDARDS AND CONDITIONS FOR DISCHARGE OF EFFLUENTS INTO WATER OR SOIL." INT. DIG. HLTH. LEG., V. 22, WORLD HEALTH ORGANIZATION, COMP.

ENGLISH 00/00/71 PGS 981-987 EPA ID# 01419B
WATER RADIATION

THIS DECREE, ISSUED BY THE COUNCIL OF MINISTERS PURSUANT TO MAY 30, 1962 WATER LAW, CLASSIFIES WATER BODIES INTO ONE OF THREE PURITY CATEGORIES ACCORDING TO INTENDED USE. STANDARDS ON MAXIMUM PERMISSIBLE POLLUTION LEVELS IN INLAND WATERS OF VARIOUS CATEGORIES ARE PROVIDED IN THE ANNEX. THE CENTRAL BUREAU FOR WATER MANAGEMENT (CBWM) IS TO DETERMINE METHODS FOR MEASURING POLLUTION LEVELS AND CONDITIONS FOR DISCHARGING EFFLUENTS. POLLUTING ENTERPRISES MAY BE REQUIRED TO INSTALL PURIFICATION APPARATUS. SPECIAL CONDITIONS (INCLUDING RADIATION STANDARDS) ARE ESTABLISHED ON DISCHARGE OF POLLUTANTS INTO MARITIME WATERS OR FROM SHIPS. ALL POLLUTION OF GROUNDWATER IS PROHIBITED. IN CERTAIN CASES, INDUSTRIES MAY BE AUTHORIZED, WITH APPROVAL OF STATE SANITARY INSPECTORATE, TO DISCHARGE EFFLUENTS IN EXCESS OF GENERAL STANDARDS OR TO DISCHARGE WASTEWATER ONTO THE SOIL AFTER SUITABLE TREATMENT. THE CBWM AND LOCAL ADMINISTRATIVE AUTHORITIES ARE TO ENFORCE THIS DECREE. (TEXT: DZIENNIK USTAW, JUL 18, 1970, N. 17).

POLAND
LR(A)

"JUL 7, 1954 DECREE ON THE STATE WATER INSPECTORATE." INT. DIG. HLTH. LEG., V. 7, WORLD HEALTH ORGANIZATION, COMP.

ENGLISH 00/00/56 PGS 311 EPA ID# 01420A
WATER

THIS DECREE ESTABLISHES WITHIN THE MINISTRY OF THE NATIONAL ECONOMY A STATE WATER INSPECTORATE WITH RESPONSIBILITY FOR SUPERVISION AND INSPECTION OF URBAN AND INDUSTRIAL WATER-SUPPLY SYSTEMS AND SEWAGE NETWORKS. THE WATER INSPECTORATE IS TO ENFORCE REGULATIOS ON MAINTAINING SANITARY CONDITION OF WATER-SUPPLY SYSTEMS AND PREVENTING POLLUTION OF SURFACE AND UNDERGROUND WATERS FROM FAULTY SEWAGE SYSTEMS. (OFFICIAL TEXT IS IN MONITOR POLSKI, JUL 24, 1954, N. 69, PP. 886-887.)

EUR
POLAND
LR(A)

"JUN 9, 1970 DECREE ON PRINCIPLES FOR DETERMINING FINES IN CASE OF WATER POLLUTION AND PROCEDURES FOR COLLECTION." INT. DIG. HLTH. LEG., V. 22.
WORLD HEALTH ORGANIZATION, COMP.
EPA
ENGLISH 00/00/71 PGS 987-988 ID# 01421A
WATER

THIS DECREE OF THE COUNCIL OF MINISTERS ESTABLISHES PRINCIPLES TO BE USED IN DETERMINING FINES IMPOSED ON INDIVIDUALS RESPONSIBLE FOR CAUSING POLLUTION OF THE WATER. FIVE CATEGORIES OF FINES ARE ESTABLISHED ACCORDING TO THE EXTENT OF POLLUTION AND TYPES OF POLLUTANTS INVOLVED. (OFFICIAL TEXT IS IN USTAW POLSKIEJ RZECZYPOSPOLITEJ LUDOWEJ, JUL 18, 1970, N. 17, PP. 196-199.)

POLAND
LR(B)

"RESPONSIBILITY FOR WATER POLLUTION BY ARBITRATION." PRZEGLAD USTAWODAWSTWA GOSPODARCZEGO
LIGIEZA, HENRYK
EPA
POLISH 10/00/72 PGS 329-333 ID# 02610A
ALSO PMA
WATER

THIS ARTICLE CONCERNS THE DETERMINATION OF RESPONSIBILITY FOR WATER POLLUTION IN POLAND BY A STATE ARBITRATION COMMITTEE. AS AN INTRODUCTION, THE FIRST PART OF THE ARTICLE CITES SEVERAL WATER PROTECTION REGULATIONS, INCLUDING LAW 31.5.1961 ON THE PROTECTION OF WATER FROM POLLUTION. THESE REGULATIONS, WHICH INCLUDE PROVISIONS ON ACQUISITION BY INDUSTRIES OF DISCHARGE PERMITS AND INSTALLATION OF SEWAGE PURIFICATION FACILITIES, ARE NOT COMPLIED WITH IN MANY CASES. BECAUSE MANY ENTERPRISES DO NOT PAY COMPENSATION FOR DAMAGE TO WATER BODIES WHICH RESULTS FROM THEIR ACTIVITIES, A STATE ARBITRATION COMMITTEE WAS SET UP TO INVESTIGATE SUCH POLLUTION CASES AND DETERMINE THE COMPENSATORY RESPONSIBILITIES OF POLLUTING INDUSTRIES. THE REMAINDER OF THE ARTICLE DESCRIBES THE PROCEDURES OF THE ARBITRATION COMMITTEE.

POLAND
PM(A)

"A NEW MINISTRY RESPONSIBLE FOR ENVIRONMENTAL PROTECTION." AIR CONSERVATION (TRANSLATED FROM POLISH - OCHRONA POWIETRZA), VOL. 7, NO. 1
KROL, J.
EPA
ENGLISH 00/00/73 PGS 76-77 ID# 02839A
GENERAL

THIS ARTICLE REPORTS THE ESTABLISHMENT ON MARCH 29, 1972 OF A MINISTRY OF TERRAIN ADMINISTRATION AND ENVIRONMENTAL PROTECTION IN POLAND. THE ENVIRONMENTAL PROTECTION FUNCTIONS OF THE MINISTRY, AS SET FORTH IN THE JUNE 23, 1972 ORDER OF THE COUNCIL OF MINISTERS, INCLUDE: 1) SUPERVISION AND CONTROL OF WATERS AGAINST POLLUTION, INCLUDING FINING; 2) PROTECTION OF AIR AGAINST POLLUTION; 3) PLANNING ENVIRONMENTAL PROTECTION PROGRAMS; 4) GIVING ADVICE ON INVESTMENTS FOR ENVIRONMENTAL PROTECTION; 5) CONTROL OF HARMFUL POLLUTING SOURCES; 6) INITIATING AND COORDINATING SEWAGE MANAGEMENT AND BUILDING OF SEWAGE CLEANING PLANTS; 7) DEFINING ALLOWABLE LIMITS OF POLLUTION; 8) COORDINATION OF INTER-MINISTERIAL ENVIRONMENTAL PROTECTION ACTIVITIES; 9) DETERMINING METHODS FOR THE CONTROL OF NOISE; AND 10) INFORMATIONAL ACTIVITIES REGARDING ENVIRONMENTAL PROTECTION.

EUR
POLAND
PM(B)

"USE OF WASTEWATER FROM THE FOOD PROCESSING INDUSTRY FOR AGRICULTURAL IRRIGATION POLAND."
BYULLETEN' PO VODNOMU KHOZYAYSTVU, NO. 9, 1972
KUTERA, YA.
RUSSIAN
ALSO ST
WATER
EPA
00/00/72 PGS 49-56 ID# 01586A

WASTEWATER FROM THE FOOD PROCESSING INDUSTRY IS HIGH IN NUTRIENT ELEMENTS SUCH AS NITROGEN, PHOSPHORUS AND CALCIUM AND REQUIRES ONLY MECHANICAL EVAPORATION TREATMENT AND SOMETIMES DILLUTION TO BE USEFUL FOR IRRIGATION PURPOSES. THE AUTHOR PRESENTS TECHNICAL MATERIAL ON NECESSARY TREATMENT OF WASTEWATER FROM THE SUGAR, YEAST, MILK, FRUIT AND VEGETABLE CANNING, POTATO AND STARCH PROCESSING AND OTHER INDUSTRIES TO MAKE IT ACCEPTABLE FOR IRRIGATION PURPOSES. USE OF WASTEWATER WHICH IS HIGH IN NUTRIENT CONTENT FOR IRRIGATION PURPOSES ELIMINATES POLLUTION CAUSED BY DUMPING SUCH WASTES INTO THE WATER RESERVE AND REDUCES THE DANGER OF POLLUTION CAUSED BY RUNOFF OF CHEMICAL FERTILIZERS FROM FARMLAND. THE DEVELOPMENT OF STANDARDS ON USE OF WASTEWATER FROM FOOD-PROCESSING INDUSTRIES FOR IRRIGATION, NOW IN PROGRESS AT THE INSTITUTE OF LAND MELIORATION AND MEADOW CULTIVATION, WILL ALLOW WIDE APPLICATION OF THIS METHOD FOR CONTROL OF WATER POLLUTION AND IMPROVED HARVESTS.

POLAND
ST( )

"INTENSIFICATION OF WASTE PROCESSING AT SOME EXISTING LOW-PERFORMANCE STATIONS."
WATER ECONOMY
MANCZAK, H.
POLISH
WATER
LOC
05/00/72 PGS 183-188 ID# 00272A

THE PAPER DISCUSSES ADAPTING MECHANICAL WASTE-PROCESSING STATIONS TO BIOLOGICAL METHODS. EXAMPLES ARE GIVEN OF PLANTS WHICH HAVE BEEN MODERNIZED TO HANDLE HOUSEHOLD, DISTRICT, INDUSTRIAL AND MUNICIPAL WASTES. MAJOR ATTENTION IS PAID TO DESCRIPTIONS (AND DIAGRAMS) OF SUCH DEVICES AS THE BERNHARDT PURIFIER (57 PERCENT EFFECTIVE), THE SCHARFE SEDIMENTATION TANK, IMHOFF SEDIMENTATION TANKS OF VARIOUS SIZES, MEYERONAT DEFLECTORS (80 PERCENT EFFECTIVE) AND OTHERS. THE BIOLOGICAL ADAPTATION OF THE DEVICES IS EXPLAINED.

EUR
PORTUGAL
LR(A)

"JULY 19, 1967 DECREE-LAW LAYING DOWN THE CONDIT. FOR THE MARKET. OF PHYTOPHARM. PROD. INTENDED FOR THE PROTECT. OF CROP PRODUCTION ...." INT.DIG.HLTH.LEG., V. 19
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/68 PGS 849-850 ID# 01119A
PESTICIDES

THIS DECREE-LAW NO. 47802 LAYS DOWN THE CONDITIONS FOR MARKETING PHYTOPHARMACEUTICAL PRODUCTS INTENDED FOR THE PROTECTION OF CROP PRODUCTION BUT EXCLUDES CHEMICAL FERTILIZERS AND TRACE ELEMENTS. ACCORDING TO THE DECREE-LAW, ALL PHYTOPHARMACEUTICALS UNDER ITS CONTROL MUST RECEIVE A SALES AUTHORIZATION FROM THE REGULATORY BOARD FOR CHEMICAL AND PHARMACEUTICAL PRODUCTS BEFORE THEY CAN BE SOLD. THE DECREE-LAW SETS FORTH REQUIREMENTS FOR PACKAGING, LABELING, ADVERTISING TEXTS AND TECHNICAL LITERATURE DESCRIBING PHYTOPHARMACEUTICALS. IN ADDITIONS, THE DECREE-LAW CONTAINS PROVISIONS REGULATING THE PREMISES FOR SALES AND STORAGE, AGE LIMITS OF PURCHASERS AND REGISTRATION OF SALES. THIS DECREE-LAW WAS SUBSEQUENTLY AMENDED BY A NOV. 23, 1970 DECREE-LAW NO. 575/70. THE PORTUGUESE-LANGUAGE ORIGINAL OF THE JULY 19, 1967 DECREE-LAW APPEARED IN THE DIARIO DO GOVERNO, PART I, JULY 19, 1967, NO. 167, PP. 1369 - 1372.

PORTUGAL
LR(A)

"JAN. 5, 1970 ORDER ... TO PROHIBIT ... THE MARKETING AND USE OF DDT-CONTAINING PLANT PROTECTION PRODUCTS ...." INT.DIG.HLTH. LEG., V.24.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/73 PGS 203 ID# 011198
PESTICIDES

THIS ORDER NO. 3/70 WAS ISSUED BY THE MINISTER OF ECONOMIC AFFAIRS AND THE MINISTER OF HEALTH AND WELFARE. IT BANS, AS OF MAR. 31, 1970, THE MARKETING AND USAGE OF PLANT-PROTECTION PRODUCTS THAT CONTAIN DDT INTENDED FOR APPLICATION TO STORED POTATOES, BEANS, CEREALS, AND OTHER PRODUCTS TO BE CONSUMED BY EITHER HUMANS OR ANIMALS. THIS ORDER WAS ISSUED IN PURSUANCE OF SECTION ONE OF DECREE-LAW NO. 47802 OF JULY 19, 1967. THE PORTUGUESE-LANGUAGE ORIGINAL OF THE JAN. 5, 1970 ORDER APPEARED IN THE DIARIO DO GOVERNO, PART I, JAN. 5, 1970, NO. 3, P. 10.

PORTUGAL
LR(A)

"NOV. 23, 1970 DECREE-LAW INTRODUCING NEW PROVISIONS IN SUBSTITUTION FOR SECTIONS 9, 10, AND 13 OF DECREE-LAW NO. 47802 ...." INT. DIG. HLTH LEG., V. 24.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/73 PGS 205-206 ID# 01119C
PESTICIDES

THIS DECREE-LAW NO. 575/70 WAS ISSUED TO AMEND SECTIONS 9, 10 AND 13 OF DECREE-LAW NO. 47802, DATED JULY 19, 1967, WHICH LAYS DOWN THE CONDITIONS FOR THE MARKETING OF PLANT PROTECTION PRODUCTS INTENDED FOR THE PROTECTION OF CROP PRODUCTION, WITH THE EXCLUSION OF CHEMICAL FERTILIZERS AND TRACE ELEMENTS. IT MODIFIES THE REGULATIONS CONCERNING THE PREMISES USED IN THE SALE AND STORAGE OF PHYTOPHARMACEUTICALS. IN REGARD TO HIGHLY TOXIC PRODUCTS, THE 1970 DECREE-LAW SETS FORTH CONDITIONS RELATING TO SALES REGISTRATION, AND AGE LIMITS AND MENTAL AND PHYSICAL HEALTH OF PURCHASERS. IT FURTHER REQUIRES PRODUCERS OF PHYTOPHARMACEUTICALS TO EMPLOY QUALIFIED TECHNICIANS TO IMPLEMENT FIELD EXPERIMENTS WITH THEIR PRODUCTS. THE PORTUGUESE LANGUAGE ORIGINAL OF THIS DECREE-LAW APPEARED IN THE DIARIO DO GOVERNO, PART I, NOV. 23, 1970, NO. 272, PP. 1747-1748.

EUR
PORTUGAL
LR(A)

"APRIL 30, 1969 DECREE-LAW (NO. 48995) ESTABLISHING A PESTICIDES TOXICOLOGY BOARD ...." INT. DIG. HLTH. LEG., V.22.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/71 PGS 153 ID# 01119D
PESTICIDES

THIS DECREE-LAW SETS UP A PESTICIDES TOXICOLOGY BOARD WITHIN THE STATE SECRETARIAT FOR AGRICULTURE AND DEFINES ITS FUNCTIONS AND COMPOSITION. THE BOARD WILL BE RESPONSIBLE FOR (1) PROPOSING THE TOXICOLOGICAL CLASSIFICATION OF PESTICICES AND SPECIFYING LIMITATIONS OF THEIR USE, AND (2) PRESENTING JUDGMENTS ON THE IMPACT OF PESTICIDE USAGE ON HEALTH MATTERS. THE BOARD WILL CONSIST OF REPRESENTATIVES FROM GOVERNMENTAL AGENCIES DEALING WITH HEALTH, AGRICULTURAL SERVICES, FORESTRY SERVICES AND LIVESTOCK SERVICES. THIS DECREE-LAW WAS ISSUED IN PURSUANCE OF SECTION EIGHT OF DECREE-LAW NO. 47802 OF JULY 19, 1967. THE PROTUGUESE-LANGUAGE ORIGINAL OF THE APRIL 30, 1969 DECREE-LAW APPEARED IN THE DIARIO DO GOVERNO, PART I, MAY 8, 1969, NO. 109, P. 518.

PORTUGAL
LR(A)

"APRIL 17, 1971 ORDER ... LAYING DOWN THAT THE LABELS ON PLANT-PROTECTION PRODUCTS ... BEAR THE TOXICOLOGY CLASSIFICATION ...." INT. DIG. HLTH. LEG., V. 24
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/73 PGS 206 ID# 01119E
PESTICIDES

THIS ORDER NO. 199/71 WAS ISSUED BY THE MINISTER OF ECONOMIC AFFAIRS AND THE MINISTER OF HEALTH AND WELFARE. IT REQUIRES THAT LABELS ON PLANT-PROTECTION PRODUCTS WHICH HAVE RECEIVED A PROVISIONAL SALES AUTHORIZATION OR A SALES AUTHORIZATION BEAR THE TOXICOLOGICAL CLASSIFICATION OF THE PRODUCTS CONCERNED, AND THE RESTRICTIONS AND TOXICOLOGICAL CAUTIONARY NOTICES RECOMMENDED BY THE PESTICIDES TOXICOLOGY BOARD. THE REGULATION APPLIES TO HERBICIDES CONTAINING SODIUM SALT, AMINES, ESTERS, POTASSIUM SALT, DIRUON, LINURON, MONOLINUREN AND METOBROMUREN. THIS ORDER WAS ISSUED IN PURSUANCE OF SECTION EIGHT, OF DECREE-LAW NO. 47802 OF JULY 19, 1967. THE PORTUGUESE-LANGUAGE ORIGINAL OF THE APRIL 17, 1971 ORDER APPEARED IN THE DIARIO DO GOVERNO, PART I, APRIL 17, 1971, NO. 90, P. 530.

PORTUGAL
LR(A)

"NOV. 27, 1957 DECREE-LAW TO AUTHORIZE THE GOVT. TO ESTABLISH PROTECTIVE ZONES AROUND NUCLEAR INSTALLATIONS AND CENTRES...." INT. DIG. HLTH. LEG., V. 10
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/59 PGS 157-158 ID# 01120A
RADIATION

THIS DECREE-LAW NO. 41400 AUTHORIZES THE GOVERNMENT TO ESTABLISH PROTECTIVE ZONES AROUND NUCLEAR INSTALLATIONS AND CENTERS FOR THE HANDLING OF RADIOACTIVE ORES. ACCORDING TO ITS PROVISIONS, THE PERIMETERS OF THESE ZONES ARE TO BE DETERMINED BY THE PRESIDENT OF THE COUNCIL AFTER SEEKING RECOMMENDATIONS FROM THE NUCLEAR ENERGY BOARD AND ADVICE FROM THE TOWN AND COUNTRY PLANNING ADMINISTRATION. THE DECREE-LAW BANS CONSTRUCTION WITHIN PROTECTIVE ZONES UNLESS PERMITTED BY THE NUCLEAR ENERGY BOARD. THE PORTUGUESE-LANGUAGE ORIGINAL OF THIS DECREE-LAW APPEARED IN THE DIARIO DO GOVERNO, NOV. 27, 1957, PART I, NO. 269, P. 1233.

EUR
PORTUGAL
LR(A)

"NOV. 25, 1961 DECREE-LAW (NO. 44060) SPECIFYING PROVISIONS GOVERNING THE PROTECTION OF PERSONS AGAINST IONIZING RADIATION." INT. DIG. HLTH. LEG., V. 13.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/62 PGS 555-558 ID# 01121A
RADIATION

THIS DECREE-LAW DEFINES THE EXTENT OF PROTECTION REQUIRED AGAINST IONIZING RADIATION, STATE RESPONSIBILITY IN ACCIDENTS INVOLVING WORK WITH RADIOACTIVE SOURCES, AND PENALTIES FOR VIOLATORS. UNDER ARTICLE SIX, A COMMITTEE FOR PROTECTION AGAINST IONIZING RADIATION WILL BE CREATED UNDER THE NUCLEAR ENERGY BOARD. THE COMMITTEE'S MOST SWEEPING DUTY WILL BE TO AUTHORIZE IMPORTATION, PRODUCTION, UTILIZATION, STORAGE, TRANSPORT AND DISPOSAL OF RADIOACTIVE MATERIALS AS WELL AS IMPORTATION, PRODUCTION, INSTALLATION AND USE OF APPARATUS FOR THE PRODUCTION OF IONIZING RADIATION FOR SCIENTIFIC, MEDICAL OR INDUSTRIAL PURPOSES. IN TWO ANNEXES, THE DECREE-LAW FIXES MAXIMUM ADMISSIBLE DOSES IN EXPOSURE TO IONIZING RADIATION AND THE MAXIMUM ADMISSIBLE CONCENTRATION OF RADIOACTIVE NUCLIDES IN DRINKING WATER AND INHALED AIR. THE PORTUGUESE-LANGUAGE ORIGINAL OF THIS DECREE-LAW APPEARS IN THE DIARIO DO GOVERNO, PART I, NOV. 25, 1961, NO. 274, PP. 1477-1488.

PORTUGAL
LR(A)

"JULY 13, 1963 DECREE-LAW LAYING DOWN THE NEW COMPOSITION OF THE COMMITTEE FOR PROTECTION AGAINST IONIZING RADIATIONS...." INT. DIG. HLTH. LEG., V. 16.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/65 PGS 385 ID# 011218
RADIATION

THIS DECREE-LAW NO. 45132 LAYS DOWN THE NEW COMPOSITION OF THE COMMITTEE FOR PROTECTION AGAINST IONIZING RADIATIONS SET UP UNDER THE AUSPICES OF THE NUCLEAR ENERGY BOARD BY SECTION SIX OF DECREE-LAW NO. 44060 AND INTRODUCES PROVISIONS REGARDING ITS OPERATION. THE DECREE-LAW ADDS FOUR GOVERNMENT OFFICIALS REPRESENTING THE GENERAL DIRECTORATE OF INDUSTRIAL SERVICES, GENERAL DIRECTORATE OF HEALTH AND WELFARE FOR OVERSEAS TERRITORITES, GENERAL DIRECTORATE OF LABOR AND CORPORATE BODIES, AND THE PORTUGUESE SOCIETY FOR RADIOLOGY AND NUCLEAR MEDICINE TO THE COMMITTEE'S MEMBERSHIP. THE PORTUGUESE-LANGUAGE ORIGINAL OF THIS DECREE-LAW APPEARS IN THE DIARIO DO GOVERNO, PART I, JULY 13, 1963, NO. 164, PP. 949-950.

PORTUGAL
LR(A)

"JUNE 4, 1964 ORDER TO MAKE COMPULS. NOTIFIC., ... TO THE COMIT. PROT. IONIZ. RAD., OF APPARATUS EMIT. IONIZ. RAD. ...." INT. DIG. HLTH. LEG., V. 16.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/65 PGS 400 ID# 01121C
RADIATION

THIS ORDER NO. 20618 AIMS TO MAKE COMPULSORY THE NOTIFICATION, BY THE PERSONS RESPONSIBLE FOR THEM, TO THE COMMITTEE FOR PROTECTION AGAINST IONIZING RADIATIONS, OF ALL APPARATUS EMITTING IONIZING RADIATIONS AND ALL RADIOACTIVE SUBSTANCES. IT IS INTENDED TO IMPLEMENT ITEM (A) OF SECTION TEN OF DECREE-LAW NO. 44060 OF NOV. 25, 1961. THE ORDER REQUIRES THAT WITHIN SIX MONTHS THE COMMITTEE FOR PROTECTION AGAINST IONIZING RADIATIONS BE INFORMED OF (A) INSTALLATION OF X-RAY EQUIPMENT FOR MEDICAL, INDUSTRIAL, COMMERCIAL OR SCIENTIFIC PURPOSES, (B) INSTALLATION OF APPARATUS USING RADIOACTIVE SUBSTANCES, AND (C) CONSTRUCTION OF INSTALLATIONS FOR THE PRODUCTION, ASSEMBLY AND REPAIR OF X-RAY EQUIPMENT, OR FOR THE PRODUCTION AND STORAGE OF RADIOACTIVE SOURCES. THE PORTUGUESE-LANGUAGE ORIGINAL OF THIS ORDER APPEARS IN THE DIARIO DO GOVERNO, PART I, JUNE 4, 1964, NO. 132, PP. 754-756.

EUR
PORTUGAL
LR(A)

"MAR. 22, 1971 DECREE-LAW (NO. 90/71) INTENSIFYING PROTECTION AGAINST POLLUTION OF WATERWAYS, BEACHES AND SHORELINES." DIARIO DO GOVERNO, FIRST SERIES, NO. 68
PORTUGUESE MINISTRY OF THE NAVY
EPA
PORTUGUESE 03/22/71 PGS 361-365 ID# 01122A
WATER SOLID WASTE

THIS DECREE-LAW INTENSIFIES STEPS TO PROTECT NAVIGABLE AND NON-NAVIGABLE WATERWAYS, COASTAL AND INTERNAL BEACHES AND SHORELINES, PORTS, DOCKS, SLIPS, MOUTHS OF RIVERS AND RIVERBEDS FROM POLLUTION. IT FORBIDS, EXCEPT UNDER SPECIAL LICENSE, THE DISCHARGE OF WATERS OF HARMFUL MAKEUP AND OTHER FORMS OF RESIDUES, INCLUDING PETROLEUM PRODUCTS OR OIL MIXTURES, INTO THE FORENAMED ZONES. IT ALSO PROHIBITS PORTUGUESE SHIPS FROM DISCHARGING CRUDE OIL, FUEL OIL, DIESEL OIL, LUBRICANTS, OR OIL MIXTURES INTO COASTAL WATERS OF THE NATION. MARITIME OFFICIALS, ON THEIR OWN INITIATIVE OR AT THE REQUEST OF SANITARY AUTHORITIES, ARE EMPOWERED TO TAKE NECESSARY STEPS TO PREVENT VIOLATION OF THE DECREE-LAW, AND ALL VIOLATORS ARE SUBJECT TO A FINE. UNDER ARTICLE NINE, EXCEPTIONS TO THE DECREE-LAW ARE CITED AND THEY INCLUDE WASTE DISPOSAL: FROM A SHIP TO GUARANTEE ITS OWN SAFETY OR THAT OF ANOTHER VESSEL OR TO SAVE HUMAN LIFE AT SEA; AND FROM AN INSTALLATION TO SECURE ITS SAFETY OR THAT OF ITS EMPLOYEES.

PORTUGAL
LR(A)

"DECREE NO. 495/73 OF OCTOBER 6, 1973." DIARIO DO GOVERNO (I SERIE - N. 234)
EPA
PORTUGUESE 10/06/73 PGS 1753-1754 ID# 02417A
WATER

THIS DECREE, PROMULGATED BY THE PORTUGUESE MINISTRY OF OVERSEAS TERRITORIES, MAKES IT ILLEGAL EXCEPT BY SPECIAL PERMIT TO POLLUTE WATERS UNDER THE JURISDICTION OF THE MARITIME AUTHORITIES IN THE OVERSEAS TERRITORIES OF PORTUGAL. THE TERRITORIAL MARITIME AUTHORITIES, WITH THE ASSISTANCE OF THE SANITATION AUTHORITIES, ARE RESPONSIBLE FOR ENFORCING THE PROVISIONS OF THIS DECREE. VIOLATORS WILL BE PENALIZED ACCORDING TO THE DAMAGE THEY CAUSE, THE MAXIMUM PENALTY BEING ONE MILLION ESCUDOS. ALL ACTIONS IN PURSUANCE OF THE DECREE WILL BE REPORTED TO THE NATIONAL COMMISSION AGAINST MARITIME POLLUTION (CNCPM), WHICH WILL ALSO LEVY ALL PENALTIES EXCEEDING 100,000 ESCUDOS, TAKING INTO ACCOUNT THEREBY THE RECOMMENDATIONS OF THE CONCERNED MARITIME AUTHORITIES. ALL INTERCOURSE BETWEEN THE CNCPM AND THE TERRITORIAL MARITIME AUTHORITIES WILL BE COORDINATED BY THE MINISTRY OF OVERSEAS TERRITORIES.

EUR
PORTUGAL
PM(B)

BOLETIM TRIMESTRAL DE INFORMACAO: 2. TRIMESTRE DE 1972. (TRIMESTRAL INFORMATION BULLETIN: 2ND TRIMESTER OF 1972)
PORTUGAL. MINISTRY OF PUBLIC WORKS
PORTUGUESE 07/00/72 PGS 1-189
ALSO SPAIN, ECUADOR; SE, LRA, ST
WATER
EPA
ID# 01517A

THIS BULLETIN, PUBLISHED BY THE GENERAL DIRECTORSHIP FOR HYDRAULIC SERVICES OF THE PORTUGUESE MINISTRY OF PUBLIC WORKS, DEALS WITH PUBLIC WATERWORKS, WATER SUPPLY, TREATMENT OF WASTEWATERS, HYDROELECTRIC PLANTS, AND IRRIGATION SYSTEMS. AMONG THE PRESENTATIONS IN THE BULLETIN ARE AN ARTICLE (IN SPANISH) ON SPAIN'S NATIONAL PLAN FOR IMPROVING THE NATION'S WATER SUPPLY, CONSISTENT WITH POPULATION GROWTH, AND THE EFFICIENCY OF WASTEWATER TREATMENT; AND THE TEXT (IN SPANISH) OF THE MAY 18, 1972 WATER LAW OF ECUADOR. THE OTHER PRESENTATIONS (ALL IN PORTUGUESE) COVER PORTUGUESE CIVIL-ENGINEERING PROJECTS DEALING WITH THE USE OF WATER, INCLUDING TECHNICAL DATA AND PRESS COMMENT ON THE OPENING OF THE ALTO SADO IRRIGATION WORKS, THE OPENING OF HYDRO-AGRICULTURAL COOPERATIVES, HYDROELECTRICAL AND HYDROAGRICULTURAL FACILITIES, CONTRACTS LET FOR THESE PROJECTS, AND DETAILED STATISTICS RELATING TO THEM.

PORTUGAL
PM(B)

SPILL IN PORTUGAL: A REPORT OF THE JAKOB MAERSK INCIDENT. ENVIRONMENT CANADA
ENVIRONMENTAL IMPACT AND ASSESSMENT REPORT EPS-8-EC-76-1
DUERDEN, F.C.
ENGLISH 09/00/75 PGS 1-32
WATER
EPA
ID# 03423A

IN LATE JANUARY 1975, THE 88,000 DWT TANKER JAKOB MAERSK GROUNDED WHILE ENTERING THE PORT OF LEIXOES IN NORTHERN PORTUGAL. PART OF HER CARGO BURNED, PART OF IT ESCAPED TO SEA, AND THE REMAINDER POLLUTED THE SHORELINE. THIS REPORT PROVIDES A DESCRIPTION OF THE INCIDENT AND SUBSEQUENT CLEANUP OPERATIONS BY AN ON-THE-SCENE REPRESENTATIVE OF THE CANADIAN ENVIRONMENTAL PROTECTION SERVICE. DISCUSSED BY THE AUTHOR ARE: THE ECOLOGICAL IMPACT OF THE SPILL, THE CONTAINMENT AND CLEANUP OF OIL ON THE WATER, AND THE CLEANUP OF OIL ON THE BEACHES. THE PERSONAL OBSERVATIONS AND CONCLUSIONS OF THE AUTHOR ARE APPENDED TO THE REPORT AS A REFERENCE IN THE EVENT OF A SPILL IN CANADIAN WATERS.

EUR
PORTUGAL
SE( )

"EXTRAORDINARY MEETING OF PARTICIPANTS IN THE FIRST NATIONAL CONGRESS ON THE ENVIRONMENT." DIARIO DE NOTICIAS
EPA
PORTUGUESE 06/25/74 PGS 4 ID# 02291A
ALSO PMA
GENERAL

ACCORDING TO THIS NEWSPAPER ARTICLE, THE PARTICIPANTS OF THE FIRST NATIONAL ENVIRONMENTAL CONGRESS IN PORTUGAL HAVE APPROVED A DECLARATION WHICH STATES THAT ENVIRONMENTAL PROBLEMS CANNOT BE SOLVED BY THE EXCLUSIVE APPLICATION OF TECHNICAL MEASURES AND THAT ENVIRONMENTAL CONSIDERATIONS MUST PLAY AN INTEGRAL PART IN THE FUNCTIONS OF SOCIETY AND GOVERNMENT. IN THEIR DECLARATION THE PARTICIPANTS OF THE CONGRESS FAVOR A CRITICAL POLICY TOWARD THE LAISSEZ-FAIRE SYSTEM TO INSURE THAT INDUSTRIAL AND ECONOMIC INTERESTS DO NOT HARM THE ENVIRONMENT. BESIDES MAKING USE OF EXISTING ENVIRONMENTAL PROTECTION DEVICES, THE PARTICIPANTS ALSO PLAN TO ORGANIZE THEIR OWN ACTION GROUPS TO PROMOTE ENVIRONMENTAL PROTECTION.

ROMANIA
LR(A)

"LAW(NO. 9 OF JUNE 20,1973 ON THE PROTECTION OF THE ENVIRONMENT)ON ENVIRONMENTAL PROTECTION PASSED."TRANSLATIONS ON EASTERN EUROPE (ECONOMIC AND INDUSTRIAL AFFAIRS), NO. 959. U.S. DEPARTMENT OF COMMERCE
EPA
ENGLISH 09/13/73 PGS 48-71 ID# 01371A
GENERAL AIR WATER SOLID WASTE PESTICIDES RADIATION NOISE

THIS COMPREHENSIVE LAW, RECENTLY PASSED BY THE GRAND NATIONAL ASSEMBLY AND SIGNED BY THE CHAIRMAN OF THE STATE COUNCIL, DECLARES ENVIRONMENTAL PROTECTION A NATIONAL PRIORITY & THE DUTY OF OFFICIALS AND CITIZENS ALIKE. IT DEFINES ENVIRONMENTAL POLLUTION AS ACTIONS CAPABLE OF: UPSETTING ECOLOGICAL BALANCE; HARMING HUMAN HEALTH, QUIET AND COMFORT; OR DAMAGING NATIONAL ECONOMY. IT ESTABLISHES NORMS TO PROTECT AIR, WATER, SOIL AND SUBSOIL, FORESTS AND OTHER VEGETATION, MONUMENTS AND HUMAN SETTLEMENTS FROM NOISE AND SOLID, LIQUID, GASEOUS, CHEMICAL AND RADIOACTIVE WASTES AND RESIDUES. IT PROVIDES THAT TECHNOLOGY MUST BE COMPATIBLE WITH ENVIRONMENTAL PROTECTION AND THAT MORE RESEARCH IN THIS FIELD BE UNDERTAKEN. THE LAW SETS DOWN PUNISHMENTS FOR VIOLATORS. THE FUNCTIONS AND RESPONSIBILITIES OF NATIONAL AND LOCAL OFFICIAL GROUPS ARE PRESENTED. THE NEW LAW'S ROMANIAN-LANGUAGE VERSION APPEARS IN BULLETIN. OFIC., PART I, NO. 91, JUNE 23, 1973, PP. 2-11.

EUR
ROMANIA
LR(B)

"PROTECTION OF THE ENVIRONMENT IN OUR COUNTRY." ERA SOCIALISTA, NO. 23
NICOLAU, M.
ROMANIAN
ALSO PMA, SE
GENERAL AIR WATER NOISE
EPA
12/00/74 PGS 26-30 ID# 01371D

THIS ARTICLE PROVIDES A GENERAL REVIEW OF ENVIRONMENTAL PROTECTION PROGRAMS PRESENTLY BEING CARRIED OUT IN ROMANIA, IN ACCORDANCE WITH THE JUNE 20, 1973 LAW ON ENVIRONMENTAL PROTECTION. ENVIRONMENTAL PROTECTION ACTIVITIES ARE COORDINATED BY THE NATIONAL COUNCIL FOR ENVIRONMENTAL PROTECTION, A SPECIALIZED CENTRAL BODY SUBORDINATE TO THE COUNCIL OF MINISTERS. AT THE LOCAL LEVEL, ENVIRONMENTAL PROGRAMS ARE COORDINATED BY COUNTY COMMISSIONS FOR ENVIRONMENTAL PROTECTION, WHICH ARE SUBORDINATE TO THE EXECUTIVE COMMITTEES OF THE COUNTY PEOPLE'S COUNCILS AND THE NATIONAL COUNCIL FOR ENVIRONMENTAL PROTECTION. THE ARTICLE CITES VARIOUS EXAMPLES OF AIR AND WATER PURIFICATION SYSTEMS CONSTRUCTED BY INDUSTRIAL ENTERPRISES AND DISCUSSES THE ECONOMIC ADVANTAGES OF INTRODUCING NON-POLLUTING TECHNOLOGIES INTO INDUSTRY. FINALLY, THE NATIONAL PROGRAM FOR ENVIRONMENTAL PROTECTION, ADOPTED BY THE 11TH PARTY CONGRESS, IS DESCRIBED.

ROMANIA
LR(B)

"PROTECTION OF THE ENVIRONMENT - THE DUTY OF EVERY CITIZEN." SCINTEIA
IONESCU, SABIN
ROMANIAN
ALSO PMB
GENERAL
EPA
05/07/75 PGS 2 ID# 01371F

THIS ARTICLE DISCUSSES ENVIRONMENTAL PROTECTION ACTIVITIES OF THE PEOPLE'S COMMITTEE OF THE DISTRICT OF HUNEDOARA IN ROMANIA, PURSUANT TO THE NATIONAL ENVIRONMENTAL PROTECTION LAW (NO. 9 OF 1973), WHICH STATES THAT PEOPLE'S COMMITTEES ARE TO ADOPT MEASURES FOR ENVIRONMENTAL PROTECTION IN THEIR RESPECTIVE DISTRICTS. IN COLLABORATION WITH CENTRAL ORGANS, THE HUNEDOARA COMMITTEE, INCLUDING 5 SPECIALIZED SUBCOMMITTEES AND 4 LOCAL SUBCOMMITTEES, HAS TAKEN INVENTORY OF ALL SOURCES OF POLLUTION AND HAS ESTABLISHED MEASURES TO REDUCE AND GRADUALLY ELIMINATE POLLUTION. TO ACHIEVE ITS GOALS, THE COMMITTEE EMPLOYS THE SERVICES OF DISTRICT SANITARY OFFICES, THE STATE INSPECTORATE FOR ENVIRONMENTAL PROTECTION, DISTRICT OFFICIALS FOR WATER ECONOMY, AND OTHER AUTHORITIES. THE DISTRICT MILITIA CONDUCTS INSPECTIONS FOR VIOLATIONS OF POLLUTION CONTROL REGULATIONS. THE DISTRICT WILL SPEND OVER 3.5 BILLION LEI FOR ENVIRONMENTAL PROTECTION DURING THE PERIOD 1975-1980.

EUR
ROMANIA
LR(B)

"JURIDICAL VIEWS ON THE LEGISLATION INVOLVING ENVIRONMENTAL PROTECTION WITHIN FRAMEWORK OF LAW IN THE SOCIALIST REPUBLIC OF ROMANIA." REVUE ROUMAINE DES SCIENCES SOCIALES
EPA
BRADEANU, SALVATOR
00/00/73 PGS 219-234 ID# 02411A
FRENCH
GENERAL WATER AIR

THIS COMPREHENSIVE ARTICLE ON THE THEORY AND PRACTICE OF ENVIRONMENTAL PROTECTION IN ROMANIA COVERS ITS LEGAL AND PHILOSOPHICAL BACKGROUND. THE OBJECTIVES AND METHODS OF IMPLEMENTATION, THE CURRENT STATUS OF ENVIRONMENTAL LEGISLATION, LAWS RELATIVE TO THE STRUCTURE AND OPERATION OF VARIOUS STATE AGENCIES AND SOCIALIST ORGANIZATION CONCERNED WITH THE ENVIRONMENT AS WELL AS SPECIFIC LAWS PERTAINING TO WATER RESOURCES, AGRICULTURE AND FORESTRY, LAND USE AND DEVELOPMENT, AND TO THE FISHING INDUSTRY. ALSO COVERED IN THE ARTICLE IS THE JUNE 23, 1973 LAW NO. 9 ON ENVIRONMENTAL PROTECTION AND ITS PROVISIONS AS THEY PERTAIN TO AIR, WATER, AND SOIL POLLUTION AS WELL AS TO THE PRESERVATION OF TERRESTRIAL AND AQUATIC FAUNA, THE SAFEGUARDING OF NATURAL SITES, AND THE PROTECTION OF HABITABLE AREAS.

ROMANIA
LR(A)

"MARCH 2, 1974 DECREE ESTABLISHING THE STRUCTURE AND FUNCTIONS OF THE NATIONAL COUNCIL FOR ENVIRONMENTAL PROTECTION." BULETINUL OFICIAL AL REPUBLICII SOCIALISTE ROMANIA, NO. 31
EPA
03/09/74 PGS 2-4 ID# 02756A
ROMANIAN
ALSO PMA
GENERAL

THIS DECREE, ISSUED BY THE COUNCIL OF STATE OF ROMANIA, ESTABLISHES THE STRUCTURE AND FUNCTIONS OF THE NATIONAL COUNCIL FOR ENVIRONMENTAL PROTECTION. THE COUNCIL IS HEADED BY AN EXECUTIVE BUREAU AND CONTAINS THE FOLLOWING COMMITTEES: 1) COMMITTEE FOR PROTECTION OF AIR AND PROTECTION AGAINST NOISE; 2) COMMITTEE FOR WATER PROTECTION; 3) COMMITTEE FOR PROTECTION OF SOIL AND SUBSOIL; 4) COMMITTEE FOR PROTECTION OF FLORA, FAUNA AND NATURE RESERVES; AND 5) COMMITTEE FOR PROTECTION OF HUMAN HABITATIONS. THE PURPOSE OF THE COUNCIL IS TO RESOLVE GENERAL ENVIRONMENTAL PROTECTION MATTERS, AND IT MAY CALL UPON THE SERVICES OF SPECIALISTS IN VARIOUS FIELDS TO CONDUCT RESEARCH. AN APPENDIX TO THE DECREE CONTAINS THE NAMES AND TITLES OF THE EIGHTY MEMBERS OF THE COUNCIL, THE OFFICERS OF WHICH ARE A PRESIDENT, VICE-PRESIDENT AND SECRETARY.

EUR
ROMANIA
LR(A)

"NOVEMBER 15, 1961 DECREE EMBODYING REGULATIONS FOR WORK WITH SOURCES OF IONIZING RADIATION" INT. DIG. HLTH. LEG., V. 14.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/63 PGS 105-106 ID# 01372A
RADIATION

THE DECREE NAMES THE COMMITTEE FOR NUCLEAR ENERGY AS EXCLUSIVE STATE ENTITY FOR PREPARATION, STORAGE AND USE OF RADIOACTIVE SUBSTANCES; FOR DISPOSAL OF WASTE AND CONTAMINATED MATERIALS; AND FOR APPROVAL OF IMPORT AND EXPORT OF RADIOACTIVE MATERIALS. THE DECREE CALLS FOR THE CREATION OF A COMMISSION TO REVIEW PLANS FOR NUCLEAR PLANT CONSTRUCTION, TO PREPARE METHODS OF USING RADIOACTIVE MATERIALS, TO OVERSEE WORKING CONDITIONS FOR THOSE INDIVIDUALS EXPOSED TO RADIOACTIVITY AND ENSURE EVEN DISTRIBUTION OF NUCLEAR TECHNOLOGY SOURCES AND DEVICES. THE DECREE ALSO SETS FORTH AGE AND MEDICAL REQUIREMENTS FOR WORKERS EXPOSED TO RADIOACTIVE SOURCES. THIS DECREE DOES NOT APPLY TO MEDICAL RADIOLOGICAL UNITS, NOR TC WORK WITH RADIOACTIVE MATERIALS WITH ACTIVITY LESS THAN 0.002 MICROCURIES OF RADIOACTIVE CHEMICAL ELEMENT PER GRAM OF SUBSTANCE. THE ROMANIAN-LANGUAGE ORIGINAL IS FOUND IN COLECT. DE HOTAR. SI DISPOZ. ALE CONSIL. DE MINISTR. AL REPUB. POP. ROM., V. I, NO. 32, NOV. 25. 1961, PP. 300-306.

ROMANIA
LR(A)

"DECEMBER 30, 1969 DECREE CONCERNING THE ORGANIZATION AND FUNCTIONS OF THE STATE COMMITTEE FOR NUCLEAR ENERGY" INT. DIG. HLTH. LEG., V. 23
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/72 PGS P. 116 ID# 01373A
RADIATION

THIS DECREE, NO. 870, DEFINES IN DETAIL THE FUNCTIONS OF THE STATE COMMITEE FOR NUCLEAR ENERGY INCLUDING ITS RESPONSIBILITITES IN THE AREA OF OCCUPATIONAL SAFETY FOR THOSE INDIVIDUALS EMPLOYED IN THE NUCLEAR FIELD. INCLUDED IN THE STATE COMMITTEE'S STRUCTURE ARE: A GENERAL INSPECTORATE OF SAFETY OF INSTALLATIONS AND RADIATION PROTECTION AND A DIRECTORATE FOR THE APPLICATION OF NUCLEAR SCIENCE AND TECHNIQUES IN BIOLOGY, AGRICULTURE AND MEDICINE. THE ROMANIAN-LANGUAGE ORIGINAL IS FOUND IN BULETIN. OFIC. AL REPUB. SOCIAL. ROM., PART I, JANUARY 22, 1970, NO. 1, PP. 8-9.

ROMANIA
LR(B)

"REFLECTIONS ON THE PROBLEM OF ENVIRONMENTAL PROTECTION AND THE ROLE OF LAW IN ESTABLISHING THE ECOLOGICAL BALANCE." REVUE ROUMAINE DES SCIENCES SOCIALES, V. 16, NO. 1
BRADEANU, SALVATOR EPA
FRENCH 00/00/72 PGS 31-40 ID# 01039A
WATER AIR

THIS ARTICLE RECOUNTS BROADLY THE HISTORY OF ROMANIAN LEGISLATION TO PROTECT THE ENVIRONMENT, THE LARGELY INEFFECTIVE LAWS PROMULGATED BY PRE-COMMUNIST GOVERNMENTS, THE INCREASED ATTENTION TO THE ENVIRONMENT UNDER THE PRESENT SOCIALIST GOVERNMENT, AND SPECIFIES THE NATIONAL MINISTRIES AND AGENCIES WHEREIN RESIDE ANTI-POLLUTION RESPONSIBILITIES. THE ARTICLE ALSO DESCRIBES BRIEFLY THE ROLE OF THE ACADEMY OF THE SOCIALIST REPUBLIC OF ROMANIA IN CATALOGING SOURCES OF POLLUTION. CURRENT LAWS FOR THE PROTECTION OF THE ENVIRONMENT HAVE THE DISADVANTAGE OF BEING SCATTERED THROUGHOUT VARIOUS LEGISLATIVE ACTS AND THUS FAIL TO HAVE THE NECESSARY EDUCATIVE IMPACT. THE AUTHOR IS OF THE OPINION THAT, GIVEN THE PRESENT STATE OF DEVELOPMENT OF THE NATIONAL ECONOMY, THE TIME HAS COME TO ESTABLISH A UNIFIED LEGISLATIVE CODE FOR ENVIRONMENTAL PROTECTION.

EUR
ROMANIA
LR(A)

"MAY 16, 1963 RESOLUTION. . . RELATING TO MEASURES FOR THE ELIMINATION OF WATER POLLUTION IN THE ROMANIAN PEOPLE'S REPUBLIC" INT. DIG. HLTH. LEG., V. 18.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/67 PGS 803-808 ID# 01374A
WATER

RESOLUTION NO. 311 WAS ISSUED ON MAY 16, 1963 BY THE COUNCIL OF MINISTER TO PRESENT WIDE GUIDELINES FOR THE CREATION, CONTROL AND COORDINATION OF NATIONAL AND LOCAL AGENCIES INTENDED TO CONTROL WATER POLLUTION GENERATED BY INDUSTRIAL INSTALLATIONS. GOVERNMENT AGENCIES RELATED TO INDUSTRY ARE EXPECTED TO DEVELOP INVESTIGATORY AND RESEARCH BODIES TO STUDY THE PROTECTION OF WATER QUALITY, AND TO INITIATE PLANS FOR MODIFICATION OF MANUFACTURING PROCESSES. ARTICLE 14 ENTRUSTS THE PLANNING OF TECHNICAL TRAINING NEEDED TO OPERATE WATER TREATMENT PLANTS TO THE MINISTRY OF EDUCATION AND STATE WATER COMMITTEE. ANNEX 7 DEFINES THE STRUCTURE AND FUNCTIONS OF THE STATE WATER INSPECTORATE. THE ROMANIAN-LANGUAGE ORIGINAL APPEARS IN COLECT. DE HOTAR. SI DISPOZ. ALE CONSIL. DE MINISTER. AL REPUB. POP. ROM., JUNE 1, 1963, NO. 19, PP. 259-272.

ROMANIA
LR(A)

"MAY 23, 1963 RESOLUTION ... TO APPROVE THE INSTRUCTIONS FOR THE VERIFICATION AND PUNISHMENT OF CONVENTIONS IN REGARD TO WATERS" INT. DIG. HLTH. LEG., V. 18.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/67 PGS 809-811 ID# 01375A
WATER

RESOLUTION NO. 342, ISSUED BY THE COUNCIL OF MINISTERS ON MAY 23, 1963 DESCRIBES IN DETAIL ACTIVITIES OR ACTIONS THAT WOULD BE CONSIDERED CONTRARY TO THE CONTROL OF WATER POLLUTION. THE RESOLUTION ALSO INCLUDES STATEMENTS ON ASSESSMENT OF DAMAGE, APPLICATION OF PENALTIES AND RIGHT OF APPEAL. THE ROMANIAN-LANGUAGE ORIGINAL IS FOUND IN COLECT. DE HOTAR. SI DISPOZ. ALE CONSIL. DE MINISTR. AL REPUBL. POP. ROM., JUNE 1, 1963, NO. 18, PP. 273-279.

ROMANIA
LR(A)

"STATE STANDARD STAS E 4706-66 RELATING TO THE QUALITY CONDITIONS OF SURFACE WATERS" INT. DIG. HLTH LEG., V. 18.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/67 PGS 811-822 ID# 01376A
WATER

THIS STANDARD WAS PREPARED BY THE STATE WATER COMMITTEE WITH APPROVAL OF THE GENERAL DIRECTORATE OF METEROLOGY, STANDARDS AND INVENTIONS ON JULY 2, 1966. IT PRESENTS IN SEVERAL PROVISIONS, INCLUDING AN ASSORTMENT OF TABLES, THE QUALITY CONDITIONS WHICH MUST BE SATISIFED IN MEASURES AND WORK INVOLVING THE DISCHARGE OF WASTE AND METEORIC WATERS INTO LAKES, RESERVOIRS, POOLS, RIVERS AND OTHER SURFACE WATERS.

EUR
ROMANIA
LR(A)

"NOV. 15, 1967 DECREE ... RELATING TO THE SANITARY PROTECTION OF ... DRINKING WATER AND OF MINERAL WATERS FOR INTERNAL MEDICINAL USE" INT. DIG. HLTH. LEG., V.20
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/69 PGS 303-308 ID# 01377A
WATER

DECREE NO. 1059, ISSUED ON NOV. 15, 1967 BY THE COUNCIL OF STATE,RELATES TO THE SANITARY PROTECTION OF THE SOURCES, WORKS AND CENTRAL INSTALLATIONS FOR THE SUPPLY OF DRINKING WATER AND OF MINERAL WATERS FOR INTERNAL MEDICINAL USE. IT DEFINES IN DETAIL THE SOURCES OF WATERS IT AIMS TO PROTECT AND CREATES A SYSTEM OF LAND ZONING TO ENSURE WATER QUALITY. THE DECREE FORBIDS CERTAIN ACTIVITIES OR WORKS FROM BEING EXECUTED AND CERTAIN ESTABLISHMENTS FROM BEING BUILT IN THE ZONES SURROUNDING WATER SOURCES. SECTION 26 REPEALS THE 1952 RESOLUTION, NO. 608, PASSED BY THE COUNCIL OF MINISTERS, WHICH ESTABLISHED SANITARY PROTECTION ZONES FROM SOURCES OF DRINKING WATER. THE ROMANIAN-LANGUAGE ORIGINAL APPEARS IN BULETIN, OFIC. AL REPUB. SOC. ROM., PART I, NOV. 17, 1967, NO. 98, PP. 778-780.

ROMANIA
LR(A)

"JANUARY 23, 1968 INSTRUCTIONS ... FOR THE IMPLEMENTATION OF ... DECREE NO. 1059/1967 RELATING TO THE SANITARY PROTECTION ... OF DRINKING WATER..." INT. DIG. HLTH. LEG., V20
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/69 PGS 308-316 ID# 01377B
WATER

INSTRUCTIONS NO. 51, ISSUED JOINTLY ON JAN. 23, 1968 BY THE MINISTRY OF HEALTH, THE STATE WATER COMMITTEE AND THE COMMITTEE FOR LOCAL ADMINISTRATION PROBLEMS, IMPLEMENT THE PROVISIONS OF DECREE NO. 1059/1967 RELATING TO THE SANITARY PROTECTION OF THE SOURCES, WORKS AND CENTRAL INSTALLATIONS FOR THE SUPPLY OF DRINKING WATER AND OF MINERAL WATERS FOR INTERNAL MEDICINAL USE. THE INSTRUCTIONS, DIVIDED INTO NINE SUBHEADINGS, EXPAND THE DIRECTIVES OF THE 1967 DECREE IN REGARD TO PRIMARY AND SECONDARY PROTECTION ZONES SURROUNDING SOURCES OF SUCH WATERS. THE ROMANIAN-LANGUAGE ORIGINAL IS FOUND IN BULETIN, OFICIAL REPUB. SOC. ROM., PART I, FEB. 5, 1968, NO. 12, PP. 98-101.

ROMANIA
PM(B)

REPORT ON ENVIRONMENTAL PROBLEMS IN THE SOCIALIST REPUBLIC OF ROMANIA
EPA
FRENCH 00/00/72 PGS 1-35 ID# 02494A
GENERAL

THIS REPORT, PREPARED FOR THE 1972 UNITED NATION CONFERENCE ON THE HUMAN ENVIRONMENT IN STOCKHOLM, PRESENTS AN ANALYSIS OF ROMANIA'S ENVIRONMENTAL PROBLEMS WITH RESPECT TO HUMAN SETTLEMENTS, NATURAL RESOURCES, AND POLLUTION. THE REPORT CONTINUES WITH AN EXAMINATION OF EXISTING AND PROPOSED NATIONAL ACTIONS IN THESE AREAS AND CONCLUDES WITH A CONSIDERATION OF EXISTING OR DESIRABLE ACTIONS ON THE INTERNATIONAL LEVEL.

EUR
ROMANIA
PM(B)

"CONCRETE ACTIONS FOR ENVIRONMENTAL PROTECTION." ERA SOCIALISTA, NO. 2
NICOLAU, M.
ROMANIAN
ALSO SE
GENERAL

EPA
01/00/75 PGS 15 ID# 02617A

THIS ARTICLE DISCUSSES THE NATIONAL PROGRAM FOR ENVIRONMENTAL PROTECTION IN ROMANIA FOR 1975. THE MAIN COMPONENTS OF THE PROGRAM, FORMULATED BY THE NATIONAL COUNCIL FOR ENVIRONMENTAL PROTECTION, INCLUDE PROVISIONS RELATIVE TO EXPENSES FOR 1975 IN THREE AREAS: 1) INVESTMENTS FOR ANTIPOLLUTION INSTALLATIONS AND APPARATUSES; 2) MAINTENANCE OF SUCH INSTALLATIONS; AND 3) SCIENTIFIC RESEARCH. EXPENSES ARE ALSO PLANNED FOR THE PERIOD 1976-1980. IN ADDITION, THE NATIONAL PLAN OF SOCIO-ECONOMIC DEVELOPMENT IN ROMANIA FOR 1975, APPROVED BY THE NATIONAL ASSEMBLY IN DECEMBER 1974, INCLUDES PROVISIONS TO THE EFFECT THAT THE COUNCIL OF MINISTERS MUST CARRY OUT ENVIRONMENTAL PROTECTION MEASURES AND ENCOURAGE FURTHER RESEARCH IN THAT AREA.

ROMANIA
PM(B)

"REPORT ON THE THIRD NATIONAL CONGRESS ON HYGIENE AND PUBLIC HEALTH." IGIENA, NO. 6

EPA
06/00/74 PGS 378-380 ID# 02619A
ROMANIAN
GENERAL AIR RADIATION WATER PESTICIDES

THIS ARTICLE NOTES VARIOUS ROMANIAN ENVIRONMENTAL PRCTECTION MEASURES REPORTED ON AT THE THIRD NATIONAL CONGRESS ON HYGIENE AND PUBLIC HEALTH HELD IN BUCHAREST IN OCTOBER 1973. WITH REGARD TO AIR POLLUTION, PROGRESS WAS MADE IN DETERMINING POLLUTION LEVELS IN DIFFERENT PARTS OF THE COUNTRY. IN IDENTIFYING THE MAIN POLLUTANTS AND IN STUDYING THEIR EFFECT ON HUMAN HEALTH. UNDER THE NATIONAL NUCLEAR PROGRAM, HEALTH AND OTHER INSTITUTIONS ARE FORMULATING INDICATORS TO DEFINE THE RADIOACTIVE POLLUTION PROCESS AND TO ESTABLISH MEASURES FOR THE TREATMENT OF RADIOACTIVE DISCHARGES. ALSO DISCUSSED IN THE ARTICLE ARE PROGRAMS IN THE AREAS OF WATER POLLUTION AND CONTAMINATION OF FOOD BY PESTICIDES.

ROMANIA
PM(B)

"ROMANIAN COMMUNIST PARTY PROGRAM." SCINTEIA

EPA
09/01/74 PGS 5 ID# 02654A
ROMANIAN
GENERAL WATER

ONE SECTION OF THIS ARTICLE, ENTITLED "POLICY REGARDING WATER ECONOMY AND ENVIRONMENTAL PROTECTION," DEALS WITH THE ROMANIAN COMMUNIST PARTY PROGRAM REGARDING ENVIRONMENTAL PROTECTION. UNDER THE PROGRAM, ALL SURFACE WATER AND GROUNDWATER RESOURCES ARE TO BE MANAGED IN ORDER TO PRESERVE THEIR NATURAL PROPERTIES AND TO PREVENT POLLUTION. ALSO, THE PARTY WILL PROMOTE ANTIPOLLUTION POLICIES AND ENSURE THE STRICT APPLICATION OF ENVIRONMENTAL PROTECTION LEGISLATION. THE MAIN POINTS OF THE PROGRAM ARE: 1) RATIONAL USE OF NATURAL RESOURCES; 2) PREVENTION OR LIMITATION OF HARM TO NATURAL PHENOMENA; 3) ADOPTION OF NON-POLLUTING TECHNOLOGIES AND WASTE PURIFICATION FACILITIES; 4) NEUTRALIZATION OF HARMFUL PROPERTIES OF INDUSTRIAL WASTES; 5) DEVELOPMENT OF A NON-POLLUTING MEANS OF TRANSPORTATION; 6) PARTICIPATION IN INTERNATIONAL ENVIRONMENTAL PROGRAMS; AND 7) EDUCATION OF CITIZENS REGARDING ENVIRONMENTAL PROTECTION.

EUR
ROMANIA
SE( )

"THE WATER PROBLEM." ERA SOCIALISTA, NO. 3
IORGULESCU, F.
ROMANIAN 02/00/74 PGS 17-22 EPA ID# 02618A
WATER

THIS ARTICLE, WHICH DISCUSSES VARIOUS PROBLEMS RELATING TO WATER RESOURCES AND THEIR UTILIZATION IN ROMANIA, CONTAINS A SECTION ENTITLED "WATER QUALITY AND COMBATING POLLUTION." THIS SECTION NOTES POLLUTED RIVERS AND LAKES AND THE INDUSTRIAL ENTERPRISES INVOLVED IN THEIR POLLUTION. EMPHASIS IS PLACED ON ECONOMIC PROBLEMS OF WASTEWATER PURIFICATION. FOR EXAMPLE, ALTHOUGH MORE THAN 3 BILLION LEI HAVE BEEN INVESTED IN THE PAST FIVE YEARS FOR INDUSTRIAL AND MUNICIPAL WATER PURIFICATION STATIONS, SUCH INVESTMENTS DECREASED FROM 1971 TO 1972.

SPAIN
LR(A)

"NOV. 30, 1961 DECREE APPROVING THE REGULATION ON TROUBLESOME, UNHEALTHY, HARMFUL AND DANGEROUS INDUSTRIES." REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP.
SPANISH 00/00/61 PGS 1416-1428 EPA ID# 01125A
AIR WATER RADIATION NOISE SOLID WASTE GENERAL

THIS DECREE, ISSUED BY THE PRESIDENCY, OBLIGES ALL INSTALLATIONS, ESTABLISHMENTS, ACTIVITIES, INDUSTRIES OR BUSINESS, WHETHER PUBLICLY OR PRIVATELY OWNED, TO AVOID OPERATIONS THAT WOULD ALTER THE NORMAL SANITARY AND HYGIENIC CONDITIONS OF THE ENVIRONMENT AND HARM PUBLIC OR PRIVATE TREASURES, PEOPLE OR PROPERTY. IT SETS COMPREHENSIVE STANDARDS TO PROTECT AIR AND WATER FROM INDUSTRIAL WASTES IN SOLID, LIQUID, GASEOUS, CHEMICAL OR RADIOACTIVE FORMS. IT ALSO ESTABLISHES STANDARDS TO CURB NOISE AND VIBRATING DISTURBANCES. A DETAILED ANNEX LISTS VARIOUS BUSINESS ACTIVITIES AND CLASSIFIES EACH AS TROUBLESOME, UNHEALTHY, HARMFUL OR DANGEROUS. THE REGULATION IS COMPLEMENTED BY A SET OF INSTRUCTIONS CONTAINED IN A MARCH 15, 1963 ORDER. THE SPANISH-LANGUAGE TEXT OF THE DECREE FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, APRIL 1 AND 2, 1963. THIS DECREE WAS FURTHER COMPLEMENTED BY A DECREE ISSUED ON AUG. 16, 1968 ON THE APPLICATION OF PUBLIC TAKEOVER OF TROUBLESOME, UNHEALTHY, HARMFUL AND DANGEROUS INDUSTRIES.

SPAIN
LR(A)

"MAR. 15, 1963 ORDER CONTAINING COMPLEMENTARY INSTRUCTIONS TO THE ... REGULATION ON TROUBLESOME, UNHEALTHY, HARMFUL AND DANGEROUS." REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP.
SPANISH 00/00/63 PGS 654-658 EPA ID# 01125B
AIR WATER RADIATION NOISE SOLID WASTE GENERAL

ISSUED BY THE MINISTRY OF GOVERNMENT, THIS ORDER COMPLEMENTS THE NOV. 30, 1961 DECREE APPROVING THE REGULATION ON TROUBLESOME, UNHEALTHY, HARMFUL AND DANGEROUS INDUSTRIES. IT CONTAINS INSTRUCTIONS FOR INDUSTRIES AND BUSINESSES OF THIS NATURE ON OBTAINING LICENSES, ADOPTING CORRECTIVE MEASURES, UNDERGOING INSPECTIONS, AVOIDING FINES FOR VIOLATIONS AND REGISTERING WITH OFFICIAL AGENCIES. THE SPANISH-LANGUAGE TEXT OF THIS ORDER FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, GACETA DE MADRID, APRIL 2, 1963. AN AUG. 16, 1968 DECREE ON THE APPLICATION OF PUBLIC TAKEOVER OF TROUBLESOME, UNHEALTHY, HARMFUL AND DANGEROUS INDUSTRIES FURTHER COMPLEMENTS THE NOV. 31, 1961 DECREE.

EUR
SPAIN
LR(A)

"AUG. 16, 1968 DECREE REGULATING APPLICATION OF PUBLIC TAKEOVER OF TROUBLESOME, UNHEALTHY, HARMFUL AND DANGEROUS INDUSTRIES." REPERTORIO CRONOLOG. DE LEGIS. EDITORIAL ARANZADI, COMP. EPA
SPANISH 00/00/68 PGS 1631-1632 ID# 01125C
AIR WATER RADIATION NOISE SOLID WASTE GENERAL

THIS DECREE, ISSUED BY THE MINISTRY OF GOVERNMENT, PLACES UNDER THE RESTRICTIONS OF THE 1961 REGULATION ON TROUBLESOME, UNHEALTHY, HARMFUL AND DANGEROUS INDUSTRIES (APPROVED IN A NOV. 30, 1961 DECREE) AND ITS COMPLEMENTARY INSTRUCTIONS ISSUED IN A MAR. 15, 1963 DECREE ALL ESTABLISHMENTS STORES, INDUSTRIES, INSTALLATIONS AND ACTIVITIES WHOSE OPERATIONS ARE A POTENTIAL THREAT TO THE HYGIENE AND SAFETY OF THE ATMOSPHERE. THEY MUST COMPLY WITH THE REGULATION OR RISK PUBLIC CONTROL. THE DECREE ESTABLISHEX PROCEDURES TO FOLLOW IN THE EVENT THAT THE STATE OR ANY OF ITS AUTONOMOUS AGENCIES DIRECTLY INTERVENE IN SUCH ACTIVITIES. JURISDICTION OVER SUCH MATTERS IS GIVEN BY THE DECREE TO MUNICIPAL GOVERNMENTS, THE PROVINCIAL COMMISSION FOR TECHNCIAL SERVICES, AND THE CENTRAL SAFETY COMMISSION. THE SPANISH-LANGUAGE TEXT OF THIS DECREE FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, SEPT. 19 AND 20, 1968.

SPAIN
LR(A)

"JUNE 21, 1968 ORDER APPROVING THE REGULATION OF USAGE OF PETROLEUM PRODUCTS FOR HEATING AND OTHER INDUSTRIAL PURPOSES." REPERTORIO CRONOLOG. DE LEGIS. EDITORIAL ARANZADI, COMP. EPA
SPANISH 00/00/68 PGS 1148-1152 ID# 01126A
AIR

THIS ORDER, ISSUED FROM THE MINISTRY OF INDUSTRY, SETS STANDARDS FOR THE USE OF PETROLEUM PRODUCTS FOR HEATING AND OTHER INDUSTRIAL PURPOSES TO AVOID DANGERS IN THE HANDLING OF HYDROCARBONS. UNDER ARTICLE FIVE, THE ORDER ESTABLISHES NORMS FOR CHIMNEY AND SMOKESTACK CONSTRUCTION TO PREVEN TAIR POLLUTION. THE SPANISH-LANGUAGE TEXT OF THE ORDER FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, JULY 3, 1968.

SPAIN
LR(A)

"NOV. 7, 1968 DECREE ON MEASURES TO PREVENT AIR POLLUTION BY CEMENT FACTORIES." REPERTORIO CRONOLOG. DE LEGIS. EDITORIAL ARANZADI, COMP. EPA
SPANISH 00/00/68 PGS 1909-1910 ID# 01127A
AIR

THIS DECREE, ISSUED BY THE MINISTRY OF INDUSTRY, ESTABLISHES STANDARDS FOR CEMENT PLANTS TO FOLLOW IN ORDER TO PREVENT THEIR POLLUTING THE ATMOSPHERE BY SMOKESTACK EMISSIONS OF SOLID PARTICLE AND GAS MIXTURES. THE DECREE SETS FORTH TECHNCIAL REQUIREMENTS WHICH MUST BE MET BY EACH PLANT AND, IN ADDITION, PRESENTS A SYSTEM OF FINES FOR VIOLATORS. THE FINE'S AMOUNT IS DETERMINED BY THE GRAVITY OF THE OFFENSE, THE ECONOMIC STANDING OF THE FIRM, THE DANGER POSED TO THIRD PARTIES AND THE POTENTIAL FOR REPETITION OF OFFENSES. IN THE EVENT OF A REPETITION, THE COUNCIL OF MINISTERS, AT THE REQUEST OF THE MINISTRY OF INDUSTRY, CAN ORDER A CLOSE-DOWN OF A CEMENT FACTORY'S KILNS. THE SPANISH-LANGUAGE TEXT OF THIS DECREE FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, NOV. 23, 1968.

EUR
SPAIN
LR(A)

"JAN 17, 1969 ORDER CREATING THE TECHNICAL ADVISORY COMMITTEE ON PROBLEMS OF AIR POLLUTION." REPERTORIO CRONOLOG . DE LEGIS.
EDITORIAL ARANZADI, COMP. EPA
SPANISH 00/00/69 PGS 140 ID# 01128A
AIR

THIS ORDER WAS ISSUED BY THE MINISTRY OF INDUSTRY AND CREATES THE TECHNICAL ADVISORY COMMITTEE ON PROBLEMS OF AIR POLLUTION WHOSE FUNCTION IT WILL BE TO STUDY POLLUTION OF THE AIR CAUSED BY PARTICLES AND FUMES DISCHARGED BY FACTORIES, HOMES AND AUTOMOBILES. THE COMMITTEE WILL BE SPECIFICALLY REQUIRED TO ENUMERATE CONTAMINANTS, DETERMINE THEIR DIFFUSION IN THE AIR, DEVELOP TECHNIQUES AND METHODS TO MEASURE POLLUTION, AND STUDY PREVENTATIVE AND CORRECTIVE MEASURES. THE COMMITTEE'S MEMBERSHIP IS DETAILED IN ARTICLE TWO. THE SPANISH-LANGUAGE TEXT OF THIS ORDER FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, JAN. 22, 1969.

SPAIN
LR(A)

"REGULATION NO. 15 ON STANDARDIZATION OF VEHICLES WITH SPARK-IGNITED MOTORS AND EMISSIONS OF CONTAMINATING GASES." REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP. EPA
SPANISH 00/00/70 PGS 1232-1245 ID# 01129A
AIR

THIS REGULATION WAS ISSUED BY THE MINISTRY OF FOREIGN AFFAIRS AND APPEARED PUBLICLY FOR THE FIRST TIME IN THE BOLET. OFIC. DEL ESTADO OF JULY 29, 1970. IT IS AN ANNEX TO THE GENEVA AGREEMENT OF MARCH 20, 1958 THAT ESTABLISHES NORMS AND RECIPROCAL RECOGNITION AMONG THE SIGNATORY NATIONS OF STANDARDIZATION OF AUTOMOBILE PARTS AND EQUIPMENT. SPAIN SIGNED THE 1958 AGREEMENT ON AUGUST 11, 1961.

REGULATION NO. 15 SETS DOWN THE TECHNICAL AND MECHANICAL REQUIREMENTS FOR STANDARDIZING AUTOMOBILE MOTORS AND APPLIES TO THEIR EMISSION OF CONTAMINATING GASES. IT PROVISIONS EXCLUDE MOTORS FOR VEHICLES WITH TWO OR THREE WHEELS WHOSE MAXIMUM WEIGHT IS BELOW FOUR HUNDRED KILOGRAMS AND/OR WHOSE MAXIMUM VELOCITY IS LOWER THAT FIFTY KILOMETERS PER HOUR.

SPAIN
LR(A)

"AUG. 6, 1970 AGREEMENT OF FRIENDSHIP AND COOPERATION WITH THE UNITED STATES OF AMERICA." REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP. COMP.
SPANISH 00/00/70 PGS 1972-1976 ID# 01130A
AIR WATER SOLID WASTE PESTICIDES RADIATION NOISE GENERAL

THE AUG. 6, 1970 AGREEMENT OF FRIENDSHIP AND COOPERATION BETWEEN THE UNITED STATES AND SPAIN WAS ISSUED BY THE MINISTRY OF FOREIGN AFFAIRS AND APPEARS IN THE BOLET. OFIC. DEL ESTADO, SEPT. 26, 1970. IT ESTABLISHES AREAS OF BILATERLA COOPERATION THAT INCLUDE CULTURE, EDUCATION, SCIENCE, TECHNOLOGY, ENVIRONMENT, AGRICULTURE, ECONOMY, INFORMATION AND DEFENSE. CHAPTER FOUR, ENTITLED "COOPERATION IN ENVIRONMENTAL AND URBAN PROBLEMS," DEFINES THE AREAS OF MUTAL CONCERN AS: CONTAMINATION IN ALL FORMS, ESPECIALLY OF AIR, WATER AND SOIL; ECOLOGY AND ANIMAL CONSERVATION; AND URBAN PLANNING AND LAND DEVELOPMENT INCLUDING NOISE REDUCTION. PRACTICAL METHODS OF COOPERATION INCLUDE EXCHANGE OF INFORMATION AND EXPERTS, DEVELOPMENT OF EDUCATION AND RESEARCH CENTERS, AND TRAINING OF SPECIALISTS. THE AGREEMENT, EFFECTIVE ON SEPT. 26, 1970, WILL BE ADHERED TO FOR A FIVE YEAR PERIOD AND MAY BE RENEWED FOR AN ADDITIONAL FIVE YEARS UPON AGREEMENT OF THE SIGNATORY NATIONS.

EUR
SPAIN
LR(A)

"APRIL 13, 1972 DECREE CREATING THE REPRESENTATIVE GOVERNMENTAL COMMISSION FOR THE ENVIRONMENT." REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP.
EPA
00/00/72 PGS 919-920 ID# 01131A
SPANISH
AIR WATER SOLID WASTE PESTICIDES RADIATION NOISE GENERAL

THIS DECREE, ISSUED FROM THE PRESIDENCY, CREATES A REPRESENTATIVE GOVERNMENTAL COMMISSION FOR THE ENVIRONMENT, TO CONSIST OF THE HEADS OF VARIOUS SPANISH MINISTRIES, THAT WILL COORDINATE ALL GOVERNMENTAL ACTIVITIES RELATING TO POLLUTION CONTROL AND THE ENVIRONMENT. THE DECREE ESTABLISHES, AT THE SAME TIME, THE INTERMINISTERIAL COMMISSION ON THE ENVIRONMENT TO ACT AS A SUPPORTIVE BODY FOR PROGRAMS UNDERTAKEN BY THE REPRESENTATIVE GOVERNMENTAL COMMISSION. THE INTERMINISTERIAL COMMISSION WILL CONSIST OF FOUR SPECIALIZED COMMITTEES: FOR THE DEFENSE OF URBAN ENVIRONMENT; FOR THE FIGHT AGAINST POLLUTION; FOR THE FIGHT AGAINST WATER POLLUTION; AND FOR THE DEFENSE OF NATURE. THE SPANISH-LANGUAGE TEXT OF THIS DECREE FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, APRIL 13 AND 14, 1972.

SPAIN
LR(A)

"DEC. 22, 1972 LAW (NO. 38) ON PROTECTION AGAINST ATMOSPHERIC CONTAMINATION."
REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP.
EPA
00/00/72 PGS 2770-2775 ID# 01133A
SPANISH
AIR

THIS LAW, ISSUED BY THE OFFICE OF THE CHIEF OF STATE, IS SPAIN'S STRONGEST LEGISLATION TO DATE DEALING WITH AIR POLLUTION. IT DEFINES POLLUTANTS AS ANY MATERIAL OR ENERGY IN THE AIR THAT IS RISKY, HARMFUL OR BOTHERSOME TO PEOPLE AND PROPERTY. ACCORDING TO THE LAW, NATIONAL AND LOCAL GOVERNMENTS WILL ADOPT WHATEVER MEASURES ARE NECESSARY TO PROTECT AIR QUALITY. THE NATIONAL GOVERNMENT, AT THE REQUEST OF THE INTERMINISTERIAL COMMISSION FOR THE ENVIRONMENT, WILL FIX NORMS FOR THE USE OF SOLID, LIQUID AND GASEOUS COMBUSTIBLES BY INDUSTRY, HOMES AND AUTOMOBILES. THE GOVERNMENT WILL ESTABLISH A NATIONAL SYSTEM OF STATIONARY AND MOBILE STATIONS TO MONITOR ZONES WITH POLLUTED AIR. GOVERNMENT SUBSIDIES WILL BE AVAILABLE TO INDUSTRIES AND BUSINESSES THAT CANNOT AFFORD TO INSTALL PROTECTIVE DEV'CES, AND TO AGENCIES CONDUCTING RESEARCH IN THE FIELD OF AIR POLLUTION. THE SPANISH-LANGUAGE TEXT OF THIS LAW FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, NO. 309, DEC. 26, 1972.

EUR
SPAIN
LR(A)

"AUGUST 9, 1974 DECREE NO. 3025 ON THE LIMITATION OF ATMOSPHERIC POLLUTION CAUSED BY MOTOR VEHICLES." BOLETIN OFICIAL DEL ESTADO, NO. 267
EPA
SPANISH 11/07/74 PGS 22625-28 ID# 01133C
AIR

THIS DECREE, PROMULGATED BY THE SPANISH MINISTRY OF PLANNING DEVELOPMENT, REGULATES THE CONTROL OF AIR POLLUTION BY MOTOR VEHICLES IN ACCORDANCE WITH PROVISIONS OF THE 1972 LAW ON PROTECTION OF THE ATMOSPHERIC ENVIRONMENT AGAINST POLLUTION. THIS DECREE ASSIGNS ADMINISTRATIVE RESPONSIBILITIES AND SETS COMPREHENSIVE STANDARDS AND PROCEDURES FOR THE CONTROL OF VEHICLE EMISSIONS. ANTECEDENTS AND DEFINITIONS ARE EXPLAINED IN AN INTRODUCTION TO THE DECREE AND SPECIFIC PROVISIONS ARE SET FORTH IN CHAPTERS ON: OBLIGATIONS, MEASURING DEVICES AND METHODS, TECHNICAL INSPECTION OF VEHICLES, INFRACTIONS AND PENALTIES, AND MUNICIPAL RESPONSIBILITIES. THE DECREE ALSO CONTAINS PROVISIONS ALLOWING FOR THE NECESSARY REVISION OF STANDARDS IN THE FUTURE AND ABROGATES CONTRASTING PROVISIONS CONTAINED IN EARLIER LAWS. THE MINISTRIES OF INTERIOR AND INDUSTRY, AND THE INTERMINISTERIAL COMMISSION ON THE ENVIRONMENT ARE EMPOWERED TO PROMULGATE COMPLEMENTARY PROVISIONS NECESSARY FOR THE FURTHER REGULATION AND APPLICATION OF THIS DECREE.

SPAIN
LR(A)

"FEBRUARY 28, 1975 ORDER FOR APPLICATION OF THE AUGUST 9, 1974 DECREE 3025 ON LIMITATION OF AIR POLLUTION CAUSED BY MOTOR VEHICLES." BOLETIN OFICIAL DEL ESTADO, NO. 59
EPA
SPANISH 03/10/75 PGS 4922 ID# 01133D
ALSO ST
AIR

THIS ORDER, PROMULGATED BY THE SPANISH MINISTRY OF INDUSTRY, FURTHER REGULATES THE CONTROL OF AIR POLLUTION AS PRESCRIBED IN THE 1972 LAW ON PROTECTION OF THE ATMOSPHERIC ENVIRONMENT AGAINST POLLUTION AND THE 1974 DECREE ON THE LIMITATION OF AIR POLLUTION CAUSED BY MOTOR VEHICLES. THE ORDER REQUIRES ALL MOTOR DIESEL VEHICLES TO BE FITTED WITH A REINFORCED SEAL IN FUEL INJECTION PUMPS BY OCTOBER 1975, SETS FORTH ADDITIONAL STANDARDS AND OPERATING PROCEDURES FOR MOTOR VEHICLE EMISSION MEASURING DEVICES, AND DESIGNATES EMISSION TESTING LABORATORIES.

SPAIN
LR(A)

"MARCH 20, 1975 DECREE NO. 795 REGULATING ARTICLE ELEVEN OF THE ATMOSPHERIC PROTECTION LAW." BOLETIN OFICIAL DEL ESTADO, NO. 93
EPA
SPANISH 04/18/75 PGS 8042-44 ID# 01133E
ALSO SE
AIR

THIS DECREE, PROMULGATED BY THE SPANISH MINISTRY OF FINANCE, REGULATES ARTICLE ELEVEN OF THE 1972 LAW ON PROTECTION OF THE ATMOSPHERIC ENVIRONMENT AGAINST POLLUTION, WHICH PROVIDES FOR INITIAL ECONOMIC ASSISTANCE TO SELECT INDUSTRIES IN THEIR FIGHT AGAINST ATMOSPHERIC POLLUTION. THE BENEFITS OF THIS DECREE ARE TO BE EXTENDED TO CERTAIN INDUSTRIES OR SIMILAR ACTIVITIES LOCATED IN AREAS DECLARED POLLUTED BY THE GOVERNMENT AND TO THOSE EXISTING ACTIVITIES UNDER OBLIGATION TO INSTALL ANTI-POLLUTION EQUIPMENT OR TO TRANSFER OPERATIONS BECAUSE OF THEIR HAVING BEEN DECLARED SOURCES OF POLLUTION BY THE GOVERNMENT. UPON MEETING CERTAIN CONDITIONS, INDUSTRIALISTS MAY SOLICIT ECONOMIC ASSISTANCE FROM THE MINISTRY OF FINANCE TO FIGHT POLLUTION. ECONOMIC ASSISTANCE MAY TAKE THE FORM OF LOANS, SUBSIDIES OR TAX INCENTIVES, THE AMOUNT OF WHICH IS COMPUTED BY THE GOVERNMENT AT THE PROPOSAL OF THE MINISTRY OF FINANCE. THE DECREE ALSO PROVIDES FOR A SYSTEM OF VIGILANCE AND REVOCATION OF BENEFITS WHERE NECESSARY.

EUR
SPAIN
LR(A)

"FEBRUARY 6, 1975 DECREE NO. 883 ON THE REGULATION OF THE 1972 LAW ON PROTECTION OF THE ATMOSPHERIC ENVIRONMENT." BOLETIN OFICIAL DEL ESTADO, NO. 96
EPA

SPANISH 04/22/75 PGS 8391-8416 ID# 01133F
ALSO ST AND PMA
AIR

THIS DECREE, PROMULGATED BY THE SPANISH MINISTRY OF DEVELOPMENT PLANNING, REPRESENTS THE MOST COMPREHENSIVE REGULATION TO THE 1972 LAW ON PROTECTION OF THE ATMOSPHERIC ENVIRONMENT. THE INTRODUCTION TO THE DECREE DISCUSSES ANTECEDENTS OF AIR POLLUTION CONTROL AS CONTAINED IN THE BASIC 1972 LAW AND SUMMARIZES THE ATTRIBUTES OF THE PRESENT DECREE. TECHNICAL STANDARDS FOR AIR QUALITY AND EMISSION LEVELS ARE SET FORTH. TYPES OF POTENTIALLY POLLUTING ACTIVITIES AND PRINCIPLE AIR POLLUTANTS ARE LISTED. AREAS OF ADMINISTRATIVE RESPONSIBILITIES BETWEEN NATIONAL AND LOCAL GOVERNMENT ARE DELINEATED, AND ATTRIBUTES OF THE NATIONAL NETWORK FOR MONITORING AND CONTROLLING AIR POLLUTION ARE DESCRIBED. IN ADDITION, A SYSTEM OF SANCTIONS AGAINST VIOLATORS OF THE DECREE IS DEFINED, AND CRITERIA FOR DESIGNATING AND DEALING WITH CONTAMINATED AREAS AND EMERGENCY POLLUTION EPISODES ARE DISCUSSED. THE DECREE ALSO CONTAINS PROVISIONS TO MODIFY REGULATIONS WHEN DICTATED BY THE DYNAMICS OF INDUSTRIAL GROWTH AND TECHNOLOGICAL DEVELOPMENT.

SPAIN
LR(B)

MEMORIA ESPANOLA SOBRE EL MEDIO AMBIENTAL. (SPANISH MEMORANDUM ON THE ENVIRONMENT)
EPA

SPANISH 00/00/72 PGS 1-30 ID# 01044A
ALSO PMA
GENERAL AIR WATER SOLID WASTE NOISE

THIS MEMORANDUM OF THE SPANISH GOVERNMENT, PRESENTED TO THE U.N. CONFERENCE ON THE HUMAN ENVIRONMENT, SUMMARIZES THE CHIEF ENVIRONMENTAL ISSUES IN SPAIN, THE MEASURES TAKEN THERE TO PROTECT THE ENVIRONMENT, AND THE THIRD PLAN ON DEVELOPMENT AND ENVIRONMENT. IT ALSO OUTLINES SPANISH ENVIRONMENTAL LEGISLATION FOR PROTECTION AGAINST THE POLLUTION AND DETERIORATION OF WATER RESOURCES, AGAINST NOISE AND THE CONTAMINATION OF THE ATMOSPHERE, AND FOR THE PRESERVATION OF THE RURAL AND URBAN ENVIRONMENTS AS WELL AS THE PRESERVATION OF SPAIN'S CULTURAL HERITAGE. FISCAL AND FINANCING MEASURES FOR THE SUPPORT OF THE ENVIRONMENTAL PROGRAM ARE TREATED. IN ADDITION, THE PAPER SUMMARIZES THE GENERAL AND SPECIAL POWERS OF THE GOVERNMENT IN REGARD TO ENVIRONMENTAL PROTECTION AND DISCUSSES ENVIRONMENTAL TRAINING AND RESEARCH IN SPAIN.

EUR
SPAIN
LR(A)

"JULY 20, 1974 DECREE NO. 2216 MODIFYING DECREE NO. 888 OF APRIL 13, 1972 ON THE INTERMINISTERIAL COMMISSION FOR THE ENVIRONMENT." COLECCION LEGISLATIVA, 1974
EPA
SPANISH 00/00/74 PGS. 2733-2734 ID# 011318
ALSO PMA
GENERAL

THIS DECREE, PROMULGATED BY THE SPANISH MINISTRY OF DEVELOPMENT PLANNING, FIRST APPEARED IN THE OFFICIAL STATE BULLETIN (BOLETIN OFICIAL DEL ESTADO) OF AUGUST 7, 1974. IT REORGANIZES THE INTERMINISTERIAL COMMISSION OF THE ENVIRONMENT TO ACCOMMODATE RECENT ADMINISTRATIVE CHANGES IN THE SPANISH GOVERNMENT, NAMING THE MINISTER OF DEVELOPMENT PLANNING TO THE PRESIDENCY OF THE COMMISSION AND PLACING THE SECRETARYSHIP OF THE COMMISSION UNDER THE ADMINISTRATION OF THE DIRECTORATE OF SOCIAL PLANNING OF THE MINISTRY OF DEVELOPMENT PLANNING. THE THIRTY-FIVE MEMBERS OF THE INTERMINISTERIAL COMMISSION ARE NAMED, INCLUDING THE ELEVEN MEMBERS OF THE COMMISSION'S PERMANENT STANDING COMMITTEE. IN ADDITION, THE SPECIAL WORKING COMMITTEES OF THE COMMISSION ARE ORGANIZED INTO THE FOLLOWING SEVEN: THE COMMITTEES FOR PROTECTION OF THE URBAN ENVIRONMENT, AIR, INLAND WATERS, MARINE WATERS, NATURE AND RURAL AREAS, AND THE COMMITTEES FOR ENVIRONMENTAL SANITATION AND INTERNATIONAL RELATIONS.

SPAIN
LR(B)

COMPENDIUM OF PROVISIONS ADOPTED ON THE ENVIRONMENT
INTERMINISTERIAL COMMISSION ON THE ENVIRONMENT EPA
SPANISH 12/31/72 PGS 1-145 ID# 011159A
GENERAL WATER AIR RADIATION NOISE PESTICIDES SOLID WASTE

THIS DOCUMENT WAS PREPARED BY THE INTERMINISTERIAL COMMISSION ON THE ENVIRONMENT TO COMPLY WITH DECREE 888 OF APRIL 13, 1972 CREATING THE INTERMINISTERIAL COMMISSION AND THE REPRESENTATIVE GOVERNMENTAL COMMISSION FOR THE ENVIRONMENT. IT CITES IN CHRONOLOGICAL ORDER, AND GIVES A BRIEF SUMMARY OF, ALL SPANISH LEGISLATION THAT DEALS WITH, OR HAS DEALT WITH IN THE PAST, COMPLETELY OR PARTIALLY THE FOLLOWING AREAS: POLLUTION OF WATER, BOTH CONTINENTAL AND MARITIME; POLLUTION OF THE AIR BY PARTICLES, GASES, NOISES, VIBRATIONS AND RADIATION PROTECTION OF ANIMAL LIFE, VEGETATION (ESPECIALLY FORESTS), THE COUNTRYSIDE, NATIONAL PARKS AND THE SOIL; AND PROTECTION OF HISTORIC AND ARTISTIC PATRIMONY. WHEN POSSIBLE, THE DOCUMENT CITES WHERE EACH LAW MAY BE FOUND IN THE BALETINES OFICIALES DEL ESTADO.

EUR
SPAIN
LR(A)

"FEBRUARY 6, 1976 DECREE NO. 182 REASSIGNING THE FUNCTIONS OF THE ABOLISHED MINISTRY OF DEVELOPMENT PLANNING ...." BOLETIN DEL ESTADO, NO. 36
EPA
SPANISH 02/11/76 PGS 2871-72 ID# 03548A
GENERAL

THIS DECREE MAKES FURTHER ORGANIZATIONAL CHANGES IN THE SPANISH GOVERNMENT PURSUANT TO DECREE LAW NO. 1 OF JANUARY 8, 1976, WHICH PROVIDED FOR THE REORGANIZATION OF THE DELEGATE COMMISSION FOR ECONOMIC AFFAIRS AND THE ABOLISHMENT OF THE MINISTRY OF DEVELOPMENT PLANNING. AMONG OTHER ADMINISTRATIVE CHANGES, THE GENERAL FUNCTIONS OF THE ABOLISHED MINISTRY OF DEVELOPMENT PLANNING HAVE BEEN ASSUMED BY THE PRESIDENCY OF THE GOVERNMENT. OF SIGNIFICANCE FOR ENVIRONMENTAL MANAGEMENT, THE MINISTER OF THE PRESIDENCY OF THE GOVERNMENT IS NOW THE PRESIDENT OF THE INTERMINISTERIAL COMMISSION FOR THE ENVIRONMENT, AND THE GENERAL DIRECTORATE OF TERRITORIAL ACTIVITIES AND ENVIRONMENT, UNDER THE PRESIDENCY OF THE GOVERNMENT, HAS ASSUMED THE DUTIES OF THE SECRETARYSHIP OF THE INTERMINISTERIAL COMMISSION FOR THE ENVIRONMENT.

SPAIN
LR(A)

"JULY 10, 1965 ORDER FIXING THE HIGHEST ADMISSIBLE NOISE LIMITS FOR MOTORCYCLES AND NEW AND USED VEHICLES." DISPOSIC. GEN. - COLECC. LEGIS. DE ESPANA, V. 206.
MINISTERIO DE JUSTICIA Y BOLET. OFIC. DEL ESTADO, COMP. EPA
SPANISH 07/16/65 PGS 1003-1004 ID# 01135A
NOISE

THIS ORDER, ISSUED FROM THE PRESIDENCY, FIXES THE MAXIMUM NOISE LIMITS ADMISSIBLE FOR MOTORCYCLES AND NEW AND USED VEHICLES. IT ESTABLISHMES A PERIOD OF TWO MONTHS FROM THE DATE OF PROMULGATION IN WHICH THESE VEHICLES MUST CONFORM TO THE NEW REQUIREMENTS.
THE ORDER GIVES THE GENERAL BOARD OF IRON AND STEEL INDUSTRIES, WITHIN THE MINISTRY OF INDUSTRY, THE AUTHORITY TO APPROVE MODELS OF SILENCING DEVICES, AND TO PROVINCIAL DELEGATIONS OF THE MINISTRY OF INDUSTRY THE RESPONSIBILITY OF INSPECTING AND MONITORING THESE DEVICES DURING THEIR MANUFACTURE. THE SPANISH-LANGUAGE TEXT OF THE ORDER FIRST APPEARED IN BOLET. OFIC. DEL ESTADO, JULY 16, 1965.

SPAIN
LR(A)

"MAR. 9, 1971 GENERAL ORDER ON OCCUPATIONAL SAFETY AND HYGIENE," REPERTORIO CRONOLOGICO DE LEGISLACION.
EDITORIAL ARANZADI, COMP. EPA
SPANISH 00/00/71 PGS 556-583 ID# 01136A
NOISE RADIATION GENERAL

THIS ORDER, ISSUED BY THE LABOR MINISTRY, COMPREHENSIVELY COVERS THE FIELD OF OCCUPATIONAL SAFETY AND HYGIENE. ARTICLE 31 ESTABLISHES STANDARDS TO PROTECT WORKERS FROM EXCESSIVE NOISE. NOISE-PRODUCING MACHINERY MUST BE ISOLATED FROM OTHER INDUSTRIAL EQUIPMENT AND MEET CERTAIN INSTALLATION REQUIREMENTS. THE ORDER REQUIRES THAT WORKERS WEAR HELMETS, EARPLUGS, OR OTHER PROTECTIVE COVERINGS WHEN NOISE REACHES OR EXCEEDS DANGEROUS LEVELS. ARTICLE 133 PLACES UNDER JURISDICTION OF THIS ORDER ALL WORK CENTERS WHERE SUBSTANCES PRODUCING DUSTS, ODORS, GASES, CORROSIVE OR TOXIC FUMES, OR RADIATIONS ARE MANUFACTURED, HANDLED OR USED. ARTICLE 140 CONTAINS SAFETY STANDARDS FOR OCCUPATIONS THAT INVOLVE EXPOSURE TO IONIZING RADIATIONS. THE SPANISH-LANGUAGE TEXT OF THIS ORDER FIRST APPEARED IN BOLETIN OFICIAL DEL ESTADO, MARCH 16, 1971.

EUR
SPAIN
LR(A)

"FEBRUARY 23, 1965 ORDER RELATING TO THE SALE AND USE OF PHYTOPHARMACEUTICAL PRODUCTS" INT. DIG. HLTH. LEG., V. 17.
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/66 PGS 378 EPA ID# 01137A
PESTICIDES

THIS ORDER CLASSIFIES ALL PHYTOPHARMACEUTICAL PRODUCTS OFFICIALLY REGISTERED WITH THE MINISTRY OF AGRICULTURE INTO THREE GROUPS: (1) HARMLESS OR NON-TOXIC OR PLANTS; (2) MODERATELY DANGEROUS INVOLVING MINIMAL PREVENTIONARY STEPS DURING USAGE: AND (3) HIGHLY DANGEROUS REQUIRING RIGID PRECAUTIONS DURING USAGE. THE ORDER ALSO SETS GUIDELINES FOR THE LABELING OF MODERATELY DANGEROUS PHYTOPHARMACEUTICALS, AND THE SELLING OF HARMLESS AND MODERATELY DANGEROUS PHYTOPHARMACEUTICALS. THE SPANISH-LANGUAGE ORIGINAL APPEARS IN BOLET. OFIC. DEL ESTADO, GAC. DE MADRID, MAR. 3, 1965, NO. 53, PP. 3286-3287.

SPAIN
LR(A)

"MARCH 22, 1971 ORDER ... ON THE USE OF AGRICULTURAL PESTICIDES CONTAINING DDT"
INT. DIG. HLTH. LEG., V. 23.
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/72 PGS 796 EPA ID# 01138A
PESTICIDES

THE MARCH 22, 1971 ORDER, ISSUED BY THE MINISTRY OF AGRICULTURE, BANS THE UTILIZATION OF PLANT PROTECTION PRODUCTS CONTAINING DDT FROM TREATMENT OF: HORITCULTURAL CROPS, CEREALS, PULSE CROPS, FODDER PLANTS, OIL PLANTS, CITRUS AND OTHER FRUITS, AND MUSHROOMS; STORED GRAIN, FODDER, AND OTHER AGRICULTURAL PRODUCTS THAT WOULD BE USED ULTIMATELY AS FOODSTUFFS. THE SPANISH-LANGUGAE ORIGINAL APPEARS IN BOLET. OFIC. DEL ESTADO, GAC. DE MADRID, MAR. 30, 1971, NO. 76, P. 5118.

SPAIN
LR(A)

"APRIL 29, 1964 LAW (NO. 25 CONCERNING NUCLEAR ENERGY"
INT. DIGEST OF HEALTH LEGISLATION., VOLUME 16
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/65 PGS 190-191 EPA ID# 01139A
RADIATION

THIS LAW IS INTENDED TO PROMOTE THE PEACEFUL USES OF NUCLEAR ENERGY AND, AT THE SAME TIME, REGULATE THESE USES WITHIN THE SPANISH NATIONAL TERRITORY. CHAPTER VI SETS FORTH EXTENSIVE PRECAUTIONARY STEPS THAT MUST BE OBSERVED IN ORDER TO PROTECT HEALTH, LIFE, AND PROPERTY AGAINST THE DANGERS OF IONIZING RADIATION. THE SPANISH-LANGUAGE ORIGINAL APPEARS I
BOLET. OFIC. DEL ESTADO, GAC. DE MADRID, MAY 4, 1964, NO. 107, PP. 5688-5696.

EUR
SPAIN
LR(A)

"OCTOBER 27, 1971 ORDER ... ON EXCEPTIONS FROM THE CLASSIFICATION OF RADIOACTIVE INSTALLATIONS" INT. DIG. HLTH. LEG., V. 23
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/72 PGS 797 ID# 011398
RADIATION

THE MINISTRY OF INDUSTRY ISSUED THIS ORDER PURSUANT TO THE PROVISIONS OF SECTION 2 OF LAW NO. 25 DATED APRIL 29, 1964 CONCERNING NUCLEAR ENERGY IN ORDER TO DESIGNATE WHAT TYPES OF RADIOACTIVE INSTALLATIONS SHALL NOT BE INCLUDED UNDER THE CLASSIFICATION SYSTEM OF THE APRIL 1964 LAW. THE SPANISH-LANGUAGE ORIGINAL APPEARS IN BOLET. OFIC. DEL ESTADO, GAC. DE MADRID, NOV. 9, 1971, NO. 268, PP. 17962-17964; CORRIGENDUM, IBID., DEC. 3, 1971, NO. 289, P. 19508.

SPAIN
LR(A)

"NOVEMBER 19, 1975 LAW NO. 42 ON URBAN SOLID WASTES AND RESIDUES." BOLETIN OFICIAL DEL ESTADO, NO. 280 EPA
SPANISH 11/21/75 PGS 24360-64 ID# 03532A
SOLID WASTE

THIS LAW SETS FORTH THE LEGAL AND ADMINISTRATIVE PROVISIONS FOR THE COLLECTION, TREATMENT, DISPOSAL AND RECYCLING OF URBAN SOLID WASTES IN SPAIN. THE INTRODUCTION TO THE LAW SUMMARIZES THE TEXT AND DISCUSSES THE BACKGROUND AND RELATED LEGISLATION PERTAINING TO SOLID WASTE DISPOSAL AS WELL AS THE NECESSITY FOR PREVENTING NEGATIVE ENVIRONMENTAL IMPACTS FROM SOLID WASTE DISPOSAL RATHER THAN CREATING NEW MECHANISMS FOR SOLID WASTE DISPOSAL. THE NEW LAW CLARIFIES THE REPONSIBILITY OF MUNICIPAL COUNCILS (AYUNTAMIENTOS) FOR SOLID WASTE DISPOSAL IN ACCORDANCE WITH THE LOCAL GOVERNMENT LAW AND IN COOPERATION WITH PROVINCIAL AND NATIONAL GOVERNMENTS. THE CONCEPTS OF URBAN SOLID WASTES ARE DEFINED, THE ECONOMIC AND FINANCIAL MEASURES ARE DELIMITED AND THE SYSTEM OF PERMITS FOR SOLID WASTE DISPOSAL AND FOR SOLID WASTE RECYCLING IS EXPLAINED. PROVISIONS CONCERNING SANCTIONS AGAINST CONTRAVENORS, APPEAL PROCEDURES AND REGULATIONS ARE ALSO CONTAINED IN THE LAW.

SPAIN
LR(A)

"JUNE 13, 1879 WATER LAW", RECOPILACION DE LAS DISPOSICIONES ADOPTADAS SOBRE EL MEDIO AMBIENTE.
SECRETARIA, COMISION INTERMINIST. DEL MEDIO AMBIENTE, COMP. EPA
SPANISH 12/31/72 PGS 1 ID# 01140A
WATER

THIS LAW WAS SPAIN'S FIRST NATIONAL PIECE OF LEGISLATION DEALING WITH WATER QUALITY, AND IT REMAINS IN EFFECT TODAY. BASICALLY IT DEALS WITH QUESTIONS OF WATER RIGHTS, BUT DOES CONTAIN PROVISIONS APPLICABLE TO ENVIRONMENTAL PROTECTION. CHAPTER VII, ARTICLE 62, REQUIRES OWNERS OF PROPERTY CONTAINING LAKES AND MARSHES TO DRAIN THESE WATERS IF THEY ARE DECLARED UNSANITARY. ARTICLE 219 GIVES THE PROVINCIAL GOVERNMENTS AUTHORITY TO SUSPEND ANY INDUSTRIAL ACTIVITY THAT HARMS WATER OR PLANT LIFE UNTIL APPROPRIATE SANITARY PROCEDURES ARE ADOPTED. ARTICLE 220 DECLARES THAT WATER RIGHTS MAY BE WITHDRAWN FROM INDUSTRIES NOT ADOPTING PROTECTIVE MEASURES. PRIVATELY-OWNED WATER SOURCES MAY NOT JEOPARDIZE PUBLIC HEALTH. THE COMPLETE SPANISH-LANGUAGE TEXT OF THIS LAW APPEARS IN GACETA DE MADRID, JUNE 19, 1879. THIS LAW IS SUPPLEMENTED BY THE MARCH 2L, 1895 ROYAL DECREE DICTATING RULES FOR THE DETERMINATION AND DECLARATION OF UNSANITARY LAKES AND MARSHES.

EUR
SPAIN
LR(A)

"MAR. 21, 1895 ROYAL DECREE DICTATING RULES FOR THE DETERMINATION AND DECLARATION OF UNSANITARY LAKES AND MARSHES." LEGIS. Y DISPOSICIONES DE LA ADMIN. CENTRA. V. 157. IMPRENTA DE LA REVISTA DE LEGISLACION, COMP. EPA
SPANISH PGS 224-226 ID# 011408
WATER

THIS DECREE, ISSUED BY THE MINISTRY OF GOVERNMENT, SUPPLEMENTS THE JUNE 13, 1879 WATER LAW AND SETS FORTH SPECIFIC INSTRUCTIONS FOR LEGAL ACTION BY AUTHORITIES IN CASES OF DISCOVERY OF UNSANITARY LAKES AND MARSHES. THE FULL SPANISH-LANGUAGE TEXT OF THIS LAW APPEARED ORIGINALLY IN THE GACETA DE MADRID, MAR. 22, 1895.

SPAIN
LR(A)

"NOV. 16, 1900 ROYAL DECREE APPROVING THE REGULATION CONCERNING POLLUTION AND INFECTION OF PUBLIC WATERS ...", LEGIS. Y DISPOSICIONES DE LA ADMINIS. CENTRAL, V. 8. IMPRENTA DE LA REVISTA DE LEGISLACION, COMP. EPA
SPANISH PGS 741-750 ID# 01141A
WATER

THIS DECREE, ISSUED BY THE MINISTRY OF AGRICULTURE, GIVES APPROVAL TO A REGULATION CONCERNING POLLUTION AND INFECTION OF PUBLIC WATERS AND CONCERNING DEPOSITS OF MINERAL AND INDUSTRIAL WASTES IN THEIR SOURCES. THE DECREE ESTABLISHES LIMITATION ON DEPOSITION SUCH WASTES AND DIRTY WATER INTO ALL SURFACE WATERS. VIOLATORS WILL BE REQUIRED TO REMOVE WASTES FROM THESE WATERS. IN CHAPTER III A SYSTEM OF SANCTIONS IS DESCRIBED TO DEAL WITH ANY RECURRENCE OF WATER POLLUTION. THE FULL SPANISH TEXT OF THE LAW APPEARED ORIGINALLY IN GACETA DE MADRID, NOV. 18, 1900.

SPAIN
LR(A)

"NOV. 14, 1958 DECREE APPROVING THE REGULATICN CONCERNING PATROLLING WATERWAYS AND THEIR SOURCES." REPERTORIO CRONOLOG. DE LEGIS. EDITORIAL ARANZADI, COMP. EPA
SPANISH 00/00/58 PGS 1630-1635 ID# 01142A
WATER

THIS DECREE, ISSUED BY THE MINISTRY OF PUBLIC WORKS, COVERS A VARIETY OF MATTERS RELATED TO WATER PROTECTION AND WATER RIGHTS. ARTICLE ELEVEN, REFERRING TO RESIDUAL WATERS, PROHIBITS THE DISCHARGE INTO PUBLIC WATER SOURCES OF WATER WASTES WHOSE CHEMICAL AND BACTERIOLOGICAL COMPOSITION COULD CONTAMINATE WATERWAYS POSING A THREAT TO PUBLIC HEALTH. IT PROVIDES THAT ESTABLISHMENT OF INDUSTRIES OR INSTALLATIONS THAT MAY USE MATERIALS CAPABLE OF POLLUTING WATERWAYS BE SUBJECT TO PREVIOUS REGISTRATION WITH THE PROVINCIAL BOARD OF HEALTH AND THE CORRESPONDING HYDRAULIC SERVICE THE SPANISH-LANGUAGE TEXT OF THE DECREE FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, DEC. 1 AND 2, 1958.

EUR
SPAIN
LR(A)

"DEC. 23, 1971 DECREE ON MEASURES AGAINST CONTAMINATION OF RIVERS IN GUIPUZCEA PROVINCE." REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP.
SPANISH
WATER SOLID WASTE
00/00/72 PG$ 41-42 EPA ID# 01142B

THIS DECREE, ISSUED BY THE PRESIDENCY, REQUIRES THAT WITHIN TWO MONTHS OF ITS PROMULGATION ALL GARBAGE, RUBBISH AND RESIDUES BE REMOVED FROM THE RIVERS OF THE NORTHERN SPANISH PROVINCE OF GUIPUZCOA BY RESPONSIBLE PARTIES WHO ARE DEFINED AS OWNERS OF PROPERTY BORDERING THESE RIVERS. IT ALSO REQUIRES THAT PEOPLE OR ENTITIES DISCHARGING LIQUID WASTES INTO THE RIVER WATERS WILL BE GIVEN SIX MONTHS TO PRESENT A WATER PURIFICATION PLAN TO THE WATER COMMISSION OF NORTHERN SPAIN. FURTHER PROCEDURAL GUIDELINES FOR SUCH CASES ARE PRESENTED IN THE DECREE. IMPLEMENTATION OF THIS DECREE MUST NOT CONFLICT WITH PROVISIONS SET FORTH IN THE REGULATION ON PATROLLING WATERWAYS AND THEIR SOURCES APPROVED ON NOV. 14, 1958. THE SPANISH-LANGUGAE TEXT OF THIS DECREE FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, JAN. 11, 1972.

SPAIN
LR(A)

"JUNE 13, 1962 ORDER CREATING THE NATIONAL COMMISSION TO PREVENT THE POLLUTION OF THE SEAS BY PETROLEUM." REPERTORIC CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP.
SPANISH
WATER
00/00/62 PGS 891-892 EPA ID# 01143A

THIS ORDER, ISSUED FROM THE PRESIDENCY, CREATES THE NATIONAL COMMISSION TO PREVENT THE POLLUTION OF THE SEAS BY PETROLEUM WHICH IS ENTRUSTED WITH THE POWER TO STUDY WATER POLLUTION PREVENTION. ITS MEMBERSHIP WILL CONSIST OF THE SUBSECRETARY OF THE MERCHANT MARINE, REPRESENTATIVES OF THE NAVY, AND THE GENERAL DIRECTORS OF NAVIGATION, NAVAL INDUSTRIES, PORTS, TOURISM, THE SPANISH INSTITUTE OF COEANOGRAPHY, HEALTH, THE NATIONAL FISHING UNION, NATIONAL TRANSPORTATION UNION AND SPANISH OIL COMPANY. THE COMMISSION WILL BE COMPOSED OF A RESEARCH SUBCOMMITTEE AND A TECHNICAL SUBCOMMITTEE. THE SPANISH-LANGUAGE TEXT OF THIS ORDER APPEARED IN THE BOLET. OFIC. D'' ESTADO, JUNE 19 AND 20, 1962. FURTHER CHANGES IN THE COMMISSION HAVE BEEN IMPLEMENTED BY THE FOLLOWING LAWS: JULY 11, 1963 ORDER BROADENING ITS DUTIES; FEB. 8, 1969 ORDER ENLARGING ITS MEMBERSHIP; AND MAY 27, 1971 ORDER CHANGING ITS NAME TO THE NATIONAL COMMISSION TO PREVENT WATER POLLUTION.

EUR
SPAIN
LR(A)

"JULY 11, 1963 ORDER BROADENING THE FUNCTIONS OF THE NATIONAL COMMISSION TO PREVENT POLLUTION OF THE SEAS BY PETROLEUM," REPERTORIO CRONOLOG. DE LEGIS. EDITORIAL ARANZADI, COMP. EPA
SPANISH 00/00/63 PGS 1313 ID# 011438
WATER

THIS ORDER, ISSUED FROM THE PRESIDENCY, REQUIRES THAT THE NATIONAL COMMISSION TO PREVENT POLLUTION OF THE SEAS BY PETROLEUM, CREATED ON JUNE 13, 1962, INCLUDE WITHIN ITS RESPONSIBILITIES THE STUDY OF SEA WATER POLLUTION CAUSED BY ALL INDUSTRIAL WASTE DISCHARGES INTO THE OCEAN. IT FURTHER PROVIDES THAT A REPRESENTATIVE OF THE MINISTRY OF INDUSTRY BE INCLUDED IN THE MEMBERSHIP OF THE COMMISSION'S TECHNICAL SUBCOMMITTEE. THE SPANISH-LANGUGAE TEXT OF THIS ORDER FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, JULY 18 AND 19, 1963. FURTHER CHANGES IN THE COMMISSION ARE IMPLEMENTED BY: FEB. 8, 1969 ORDER ENLARGING ITS MEMBERSHIP; AND MAY 27, 1971 ORDER CHANGING ITS NAME TO THE NATIONAL COMMISSION TO PREVENT WATER POLLUTION.

SPAIN
LR(A)

"FEB. 8, 1969 ORDER ADDING A LEGAL ADVISOR ... TO THE NATIONAL COMMISSION TO PREVENT THE POLLUTION OF THE SEAS BY PETROLEUM," REPERTORIO CRONOLOG. DE LEGIS. EDITORIAL ARANZADI, COMP. EPA
SPANISH 00/00/69 PGS 314 ID# 01143C
WATER

THIS ORDER, ISSUED FROM THE PRESIDENCY, REQUIRES THAT A LEGAL ADVISOR, APPOINTED BY THE NAVY MINISTRY, BE ADDED TO THE MEMBERSHIP OF THE NATIONAL COMMISSION TO PREVENT THE POLLUTION OF THE SEAS BY PETROLEUM, CREATED BY PRESIDENTIAL ORDER ON JUNE 13, 1962. THE SPANISH-LANGUAGE TEXT OF THIS ORDER FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, FEB. 12 AND 13, 1969. A MAY 1971 ORDER CHANGES THE NAME OF THE NATIONAL COMMISSION.

SPAIN
LR(A)

"MAY 27, 1971 ORDER CHANGING THE NAME OF THE NATIONAL COMMISSION TO PREVENT THE POLLUTION OF THE SEAS BY HYDROCARBONS," REPERTORIO CRONOLOG. DE LEGIS. EDITORIAL ARANZADI, COMP. EPA
SPANISH 00/00/71 PGS 1250 ID# 01143D
WATER

THIS ORDER, ISSUED FROM THE PRESIDENCY, CHANGES THE NAME OF THE NATIONAL COMMISSION TO PREVENT THE POLLUTION OF THE SEAS BY HYDROCARBONS WHICH IS ALSO KNOWN AS THE NATIONAL COMMISSION TO PREVENT THE POLLUTION OF THE SEAS BY PETROLEUM), CREATED BY PRESIDENTIAL ORDER ON JUNE 13, 1962, TO NATIONAL COMMISSION TO PREVENT WATER POLLUTION. THE SPANISH-LANGUAGE TEXT OF THE 1971 ORDER FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, JUNE 1 AND 2, 1971.

EUR
SPAIN
LR(A)

"JUNE 1, 1963 ORDER CN CONSTRUCTION STANDARDS FOR SHIPS TO PREVENT POLLUTION OF THE SEA BY HYDROCARBONS." REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP.
SPANISH 00/00/63 PGS 1050-1051 EPA ID# 01144A
WATER

THIS ORDER, ISSUED BY THE OFFICE OF THE PRESIDENCY, REQUIRES THAT ALL OIL TANKERS WEIGHING 20,000 TONS OR MORE, TO BE BUILT AFTER JAN. 1, 1964, BE EQUIPPED WITH TANKS TO COLLECT WATER RESIDUES FOR RECEPTACLE FACILITIES SITUATED ONSHORE. IT FURTHER PROVIDES THAT ALL SHIPS, OF ANY CARGO, WEIGHING 20,000 TONS OR MORE, TO BE BUILT AFTER JAN. 1, 1964, MUST BE EQUIPPED WITH A TANK TO COLLECT ALL CONTAMINATED WATER WASTES THAT HAVE ACCUMULATED IN THE SHIPS' FUEL TANKS. LATELY, IT REQUIRES THAT ALL SHIPS WEIGHING 500 TONS OR MORE, SCHEDULED FOR CONSTRUCTION AFTER JAN. 1, 1964 HAVE ADEQUATE DEVICES TO SEPARATE WATER FROM OIL SO THAT OILY RESIDUES MAY BE DUMPED LATER INTO ONSHORE RECEPTABLE FACILITIES. THE SPANISH-LANGUAGE TEXT OF THIS ORDER FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, JUNE 6, 1963.

SPAIN
LR(A)

"JUNE 1, 1963 ORDER ON HYDROCARBONS SETTING STANDARDS TO AVOID POLLUTION OF THE SEAS." REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP.
SPANISH 00/00/63 PGS 1051 EPA ID# 01145A
WATER

THIS ORDER, ISSUED BY THE OFFICE OF THE PRESIDENCY, AIMS TO PREVENT POLLUTION OF THE SEA CAUSED BY THE RELEASE OF OIL-BASED PRODUCTS INTO THE WATER AFTER CLEANING FUEL TANKS OF SHIPS. THE ORDER REQUIRES THAT DEPOSIT TANKS BE BUILT IN PORTS, SHIPYARDS AND SHIP REPAIR PLANTS WHERE OIL RESIDUES MAY BE DUMPED. THE SPANISH-LANGUAGE TEXT OF THIS ORDER FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, JUNE 6, 1963.

SPAIN
LR(A)

"JUNE 5, 1963 DECREE ON THE CREATION AND FUNCTIONS OF THE CENTRAL SAFETY COMMISSION." REPERTORIO CRHNOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP.
SPANISH 00/00/63 PGS 1065-1069 EPA ID# 01146A
WATER AIR SOLID WASTE GENERAL

THIS DECREE, ISSUED BY THE MINISTRY OF GOV. CREATES WITHIN THE MINISTRY A CENTRAL SAFETY COMMISSION WHICH WILL DESIGN SAFETY PLANS AND PROJECTS TO IMPROVE THE HEALTH, HYGIENE, AND SAFETY OF THE POPULATION. AMONG ITS RESPONSIBILITIES WILL BE MATTERS RELATING TO THE SUPPLY OF DRINKING WATER, WATER PURIFICATION, SEWAGE, TREATMENT OF SOLID WASTES AND MONITORING ACTIVITIES OF A TROUBLESOME, UNHEALTHY, HARMFUL AND DANGEROUS NATURE. THE SPANISH-LANGUAGE TEXT OF THIS DECREE FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, JUNE 10, 1963.

EUR
SPAIN
LR(A)

"JULY 17, 1967 ORDER CREATING THE TECHNICAL SUBCOMMITTEE OF THE CENTRAL SAFETY COMMISSION," REPERTORIO CRONOLOG. DE LEGIS. EDITORIAL ARANZADI, COMP. EPA
SPANISH
00/00/67 PGS 1681-1682 ID# 011468
WATER AIR SOLID WASTE GENERAL

THIS ORDER, ISSUED BY THE MINISTRY OF GOVERNMENT, CREATES A TECHNICAL SUBCOMMITTEE WITHIN THE CENTRAL SAFETY COMMISSION ESTABLISHED BY A JUNE 5, 1963 DECREE FROM THE SAME MINISTRY. THE SUBCOMMITTEE WILL STUDY AND PROPOSE MEANS OF CLASSIFYING TROUBLESOME, UNHEALTHY, HARMFUL AND DANGEROUS ACTIVITIES IN BOTH URBAN AND RURAL AREAS IN ORDER OF THEIR DETRIMENTAL EFFECTS. IN ADDITION IT WILL DEVELOP A STATISTICAL ACCOUNTING, IN CONJUNCTION WITH THE NATIONAL STATISTICAL INSTITUTE, OF ACCIDENTS AND INJURIES CAUSED BY SUCH ACTIVITIES. DETAILS OF THE SUBCOMMITTEE MEMBERSHIP ARE PRESENTED IN ARTICLE TWO. THE SPANISH-LANGUGAGE TEXT OF THIS ORDER FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, AUG. 5, 1967.

SPAIN
LR(A)

"FEB. 29, 1968 ORDER EXPANDING THE TECHNICAL SUBCOMMITTEE OF INDUSTRIES AND CLASSIFIED ACTIVITIES OF THE CENTRAL SAFETY COMMISSION," DISPOSIC. GEN.-COLECC.LEGIS. DE ESPANA. MINISTERIO DE JUSTICIA Y BOLET. OFIC. DEL ESTADO, COMP. EPA
SPANISH
03/01/68 PGS 405 ID# 01146C
WATER AIR SOLID WASTE GENERAL RADIATION NOISE

THIS ORDER, ISSUED BY THE MINISTRY OF GOVERNMENT, BROADENS THE MEMBERSHIP OF THE TECHNICAL SUBCOMMITTEE, CREATED WITHIN THE CENTRAL SAFETY COMMISSION BY A MINISTERIAL ORDER OF JULY 17, 1967, TO INCLUDE TWO REPRESENTATIVES OF THE GENERAL BOARD OF MINES AND COMBUSTIBLES. IT SPECIFICALLY DEFINES THE SUBCOMMITTEE'S RESPONSIBILITIES TO INCLUDE WORK RELATING TO: NOSIE AND VIBRATION DISTURBANCES; AIR POLLUTION CAUSED BY DUST, SMOKE, FUMES, GASES, ODORS AND AEROSOLS; WATER POLLUTION CAUSED BY ORGANIC, INORGANIC OR BACTERIOLOGICAL DISCHARGES AND RADIOACTIVE EMISSIONS. THE SPANISH-LANGUAGE TEXT OF THIS ORDER FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, MAR. 8, 1968.

SPAIN
LR(A)

"APRIL 19, 1968 ORDER DEVELOPING THE ORGANIZATION AND FUNCTIONS OF THE CENTRAL SAFETY COMMISSION," DISPOSIC. GEN.-COLECC. LEGIS. DE ESPANA. MINISTERIO DE JUSTICIA Y BOLET. OFIC. DEL ESTADO, COMP. EPA
SPANISH
05/01/68 PGS 727-730 ID# 01146D
WATER AIR SOLID WASTE GENERAL RADIATION NOISE

THIS ORDER, ISSUED BY THE MINISTRY OF GOVERNMENT, FURTHER EXPANDS THE MEMBERSHIP AND FUNCTIONS OF THE CENTRAL SAFETY COMMISSION WHICH WAS CREATED BY A JUNE 5, 1963 MINISTERIAL ORDER. THE COMMISSION IS EMPOWERED TO STUDY PROBLEMS OF PUBLIC SAFETY AND HYGIENE AND TO GENERATE PROGRAMS, PROPOSALS OR RESOLUTIONS TO COPE WITH THESE PROBLEMS. THE ORDER SPECIFICALLY DEFINES THE FUNCTIONS AND RESPONSIBILITIES OF THE COMMISSION'S NUMEROUS COMPONENTS: ITS PRESIDENT, SECRETARY GENERAL, PERMANENT SUBCOMMITTEES, WORK GROUPS, OPERATIONAL ORGANS, AND FULL COMMISSION. THE SPANISH-LANGUAGE TEXT OF THIS ORDER FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, MAY 5, 1968.

EUR
SPAIN
LR(A)

"MAY 27, 1967 ORDER PROHIBITING THE DISCHARGE OF OIL PRODUCTS OR CONTAMINATED WASTES INTO THE SEA BY INDUSTRIES IN GENERAL," REPERTORIO CRONOLOG. DE LEGIS. EDITORIAL ARANZADI, COMP.
EPA
SPANISH 00/00/67 PGS 1189 ID# 01147A
WATER

THIS ORDER, ISSUED BY THE PRESIDENCY, PROHIBITS INDUSTRIAL PLANTS OF ANY KIND FROM DISCHARGING INTO THE SEA ANY OIL PRODUCT OR RESIDUE THAT CONTAINS OIL SUBSTANCES. INDUSTRIES APPLYING TO THE MINISTRY OF PUBLIC WORKS FOR AUTHORIZATION TO DISCHARGE WASTES INTO THE SEA MUST BE EQUIPPED BEFOREHAND WITH THE PROPER SYSTEM OR PROCESS TO TREAT THESE WASTES TO PREVENT CONTAMINATION OF THE SEA WATERS. THE SPANISH-LANGUGAE TEXT OF THIS ORDER FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, JUNE 1, 1967.

SPAIN
LR(A)

"AUG. 27, 1967 ORDER ON MEASURES TO PREVENT POLLUTION OF THE SEA AND BEACHES BY ACCIDENTS INVOLVING OIL PIPELINES," REPERTORIO CRONOLOG. DE LEGIS. EDITORIAL ARANZADI, COMP.
EPA
SPANISH 00/00/67 PGS 1793-1794 ID# 01148A
WATER

THIS ORDER, ISSUED FROM THE PRESIDENCY, REQUIRES THAT OIL REFINERIES AND PETROCHEMICAL PLANTS THAT OWN OIL PIPELINE TERMINALS USED FOR LOADING AND UNLOADING HYDROCARBONS ON SHORELINES, AS WELL AS TANKS TO STORE FUEL FOR SHISP WITH A CAPACITY GREATER THAN FIVE HUNDRED TONS BUT LESS THAN FIVE THOUSAND TONS, MAKE AVAILABLE IN THE VICINITY OF THE PIPELINES FOR IMMEDIATE USE THE FOLLOWING: FIVE THOUSAND LITERS OF DETERGENTS, FIVE THOUSAND LITERS OF ABSORBANTS AND 150 METERS OF SPECIAL CONTAINING-NET. THE ORDER ALSO REQUIRES THAT REFINERIES AND FACTORIES WITH CAPACITIES GREATER THAN FIVE THOUSAND TONS HAVE AT THEIR DISPOSAL TEN THOUSAND LITERS OF DETERGENTS, TEN THOUSAND LITERS OF ABSORBENTS, AND FIVE HUNDRED METERS OF SPECIAL CONTAINING NETS. THE PRECEDING MEASURES BECAME EFFECTIVE THIRTY DAYS AFTER THE ORDER'S PUBLICATION IN THE BOLET. OFIC. DEL ESTADO, AUG. 24, 1967.

SPAIN
LR(A)

"JAN. 18, 1968 DECREE PROHIBITING THE USE OF NON-BIODEGRADABLE DETERGENTS," REPERTORIO CRONOLOG. DE LEGIS. EDITORIAL ARANZADI, COMP.
EPA
SPANISH 00/00/68 PGS 200-201 ID# 01149A
WATER

THIS DECREE, ISSUED FOR THE PRESIDENCY, FORBIDS THE IMPORTATION, PRODUCTION AND MARKETING OF SURFACE-ACTIVE PREPARATIONS CONTAINING ANIONIC SURFACE-ACTIVE PRODUCTS (HOME AND INDUSTRIAL DETERGENTS, FOAMING AGENTS, CLEANSING PRODUCTS) OF THE ALYLARYL SULFONATE GROUP, WHICH HAVE BEEN CLASSIFIED AS NON-BIODEGRADABLE. A SUPPLEMENT TO THE DECREE CONTAINS PROVISIONS DRAWN UP BY THE MINISTRIES OF INDUSTRIES, ECONOMIC AFFAIRS AND TRADE THAT DESCRIBE METHODS OF ANALYSIS TO DETERMINE A PRODUCT'S BIODEGRADABILITY. THIS DECREE IS AMENDED BY A DEC. 26, 1968 DECREE AND FURTHER COMPLEMENTED BY A FEB. 24, 1969 ORDER. THE SPANISH-LANGUAGE TEXT OF THE JAN. 18, 1968 DECREE FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, JAN. 29, 1968.

EUR
SPAIN
LR(A)

"DEC 26, 1968 DECREE MODIFYING THE JAN. 18, 1968 DECREE PROHIBITING THE USE OF NON-BIODEGRADABLE DETERGENTS," REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP.
SPANISH 00/00/68 PGS 2268 EPA ID# 01149B
WATER

THIS DECREE, ISSUED FROM THE PRESIDENCY, MODIFIES THE PROVISIONS OF THE JAN. 18, 1968 DECREE PROHIBITING THE USE OF NON-BIODEGRADABLE DETERGENTS. IT ESTABLISHES SPECIFIC DATES TO CUT-OFF IMPORTATION, PRODUCTION, DISTRIBUTIONS AND USE OF NON-BIODEGRADABLE DETERGENTS. MANUFACTURERS OF DETERGENTS ARE ALSO REQUIRED TO INDICATE ON THEIR LABELS WHETHER THEIR PRODUCT IS BIODEGRADABLE OR NON-BIODEGRADABLE, AND IN THE CASE OF THE LATTER, TO INDICATE THAT USE OF THE PRODUCT AFTER JUNE 30 1970 IS ILLEGAL. THIS DECREE IS COMPLEMENTED BY A FEB. 24, 1969 ORDER CONCERNING THE DETERMINATION OF BIODEGRABILITY OF TENSIOACTIVE PRODUCTS. THE SPANISH-LANGUGAE TEXT OF THE DEC. 26 1968 DECREE FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, DEC. 30, 1968.

SPAIN
LR(A)

"FEB. 24, 1969 ORDER ON DETERGENTS CONCERNING THE BIODEGRADABILITY DETERMINATION OF TENSIOACTIVE PRODUCTS," REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP.
SPANISH 00/00/69 PGS 403-407 EPA ID# 01149C
WATER

THIS ORDER, ISSUED BY THE MINISTRY OF INDUSTRY, SUPPLEMENTS PROVISIONS OF THE JAN. 18, 1968 AND DEC. 26, 1968 DECREES WHICH FORBID THE USAGE OF NON-BIODEGRADABLE DETERGENTS. UNDER THE ORDER'S PROVISIONS, THE METHODS FOR INSPECTION DURING THE PRODUCTION OF ANIONIC SURFACE-ACTIVE DETERGENTS OF THE ALKYLARYL SULFONATE GROUP ARE DESCRIBED. THE ANNEXES ALSO PRESENT METHODS FOR DETERMINING THE DEGREE OF A DETERGENT'S BIODEGRADABILITY. THE SPANISH-LANGUGAE TEXT OF THIS ORDER FIRST APPEARED IN BOLET. OFIC. DEL ESTADO, MAR. 3, 1969.

SPAIN
LR(A)

"APRIL 23, 1969 RESOLUTION ON PROVISIONAL STANDARDS FOR PURIFICATION INSTALLATIONS AND DISCHARGING RESIDUES INTO THE SEA," REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP.
SPANISH 00/00/69 PGS 1102-1108 EPA ID# 01150A
WATER

ISSUED BY THE DIRECTOR GENERAL OF PORTS AND MARITIME SIGNALS, THIS RESOLUTION ESTABLISHES MINIMAL TECHNICAL REQUIREMENTS TO BE OBSERVED IN ALL WATER PURIFICATION PROJECTS EXECUTED OR PLANNED ALONG THE SPANISH COASTS. THE CONDITIONS OF THE RESOLUTION ARE PROVISIONAL AND SUBJECT TO FUTURE MODIFICATION. THE RESOLUTION SETS TECHNICAL STANDARDS FOR PURIFICATION STATIONS, SEPTIC TANKS AND UNDERWATER EMISSION PROCEDURES. CHAPTER FIVE ELABORATES STEPS REQUIRED FOR INDUSTRY TO FOLLOW IN ORDER TO GAIN PERMISSION TO DISCHARGE WASTES INTO THE SEA. IT REQUIRES THAT PERIODIC ANALYSIS OF WATER IN DISCHARGE ZONES BE MADE BY THE MINISTRY OF PUBLIC WORKS. THE SPANISH-LANGUAGE TEXT OF THIS RESOLUTION FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, JUNE 20, 1969.

EUR
SPAIN
LR(A)

"APRIL 26, 1969 LAW ON REGULATORY STANDARDS CONCERNING MARITIME COASTS." REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP.
SPANISH
WATER 00/00/69 PGS 763-766 EPA ID# 01151A

ISSUED BY THE OFFICE OF THE CHIEF OF STATE, THIS LAW AIMS TO COORDINATE RESPONSIBILITY FOR PROTECTION OF COASTAL WATERS AMONG THE VARIOUS GOVERNMENT MINISTRIES. UNDER ARTICLE ELEVEN, THE MINISTRY OF COMMERCE IS MADE RESPONSIBLE FOR THE PURITY OF TERRITORIAL COASTAL WATERS; THE PREVENTION OF POLLUTION OF HYDROCARBONS, OR OTHER SUBSTANCES AND RESIDUES; AND THE APPLICATION OF SANCTIONS AGAINST VIOLATORS. THE SPANISH-LANGUAGE TEXT OF THIS LAW FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, APRIL 28, 1969. A NOV. 4, 1971 DECREE REORGANIZING THE MINISTRY OF PUBLIC WORKS PLACES THE RESPONSIBILITY FOR DOMESTIC WATER PURITY AND QUALITY UNDER THE MINISTRY OF PUBLIC WORKS' CENTRAL COMMISSION FOR WATER AND THE FIGHT AGAINST POLLUTION AND THE FIGHT AGAINST WATER POLLUTION AND WATER TREATMENT SERVICE.

SPAIN
LR(A)

"JUNE 30, 1969 LAW ON THE SHELL-FISH ORDINANCE." REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARAZANDI, COMP.
SPANISH
WATER 00/00/69 PGS 1187-1189 EPA ID# 01152A

THIS LAW, ISSUED BY THE CHIEF OF STATE, ESTABLISHES A SERIES OF MEASURES DESIGNED TO PROTECT SHELL-FISH LIVING IN SPANISH COASTAL WATERS. ARTICLE SIXTEEN CALLS FOR THE INSTALLATION OF ADEQUATE PURIFICATION SYSTEMS IN POPULATION CENTERS AND INDUSTRIAL PLANTS WHICH ARE LOCATED NEAR SHELL-FISH BEDS TO PREVENT WASTE DISCHARGES FROM POLLUTING WATER AND EVENTUALLY HARMING THE SHELL-FISH. THE SPANISH-LANGUAGE TEXT OF THIS LAW FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, JULY. 1, 1969.

SPAIN
LR(A)

"JULY 28, 1969 ORDER ON MEASURES TO COMBAT HYDROCARBON SPILLS." REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP.
SPANISH
WATER 00/00/69 PGS 1529 EPA ID# 01153A

THIS ORDER, ISSUED BY THE MINISTRY OF COMMERCE, REGULATES MECHANICAL MEANS USED TO REMOVE DISCHARGES OF HYDROCARBONS IN THE SEA. ADEQUATE MECHANICAL DEVISES MUST BE INSTALLED IN OIL TANKERS, OIL REFINERIES, FUEL STORAGE PLANTS SITUATED IN PORTS, AND INDUSTRIAL OR COMMERCIAL INSTALLATIONS THAT POSSESS FUEL LOADING OR UNLOADING FACILITIES IN COASTAL AREAS. ALL MECHANISMS ARE SUBJECT TO APPROVAL BY THE MINISTRY OF COMMERCE, SUBSECRETARIAT OF THE MERCHANT MARINE. THE MEASURES PRESENTED IN THIS ORDER MUST BE ADOPTED WITHIN SIX MONTHS OF THE DATE OF PUBLICATION OF THE ORDER. THE SPANISH-LANGUAGE TEXT OF THIS ORDER FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, AUG. 20, 1969.

EUR
SPAIN
LR(A)

"DEC 19, 1970 DECREE ON TOURISM SETTING MINIMAL INFRASTRUCTURAL REQUIREMENTS FOR LODGINGS." REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP.
SPANISH 00/00/71 PGS 108-110 EPA ID# 01154A
WATER SOLID WASTE GENERAL

THIS DECREE, ISSUED BY THE MINISTRY OF INFORMATION AND TOURISM, CONTAINS IN ARTICLE FOUR PROVISIONS RELATING TO THE TREATMENT AND DISCHARGES OF WATER RESIDUES BY TOURIST LODGINGS. IT STRICTLY FORBIDS SUCH ESTABLISHMENTS TO DISCHARGE WATER RESIDUES INTO THE SEA OR CONTINENTAL WATERS WITHOUT PREVIOUS PURIFICATION. ARTICLE EIGHT REFERS TO THE REMOVAL OF GARBAGE AND PROHIBITS ITS ELIMINATION BY DUMPING INTO THE SEA, CONTINENTAL WATERS OR IN TOURIST ZONES. THE SPANISH-LANGUAGE TEXT OF THE DECREE FIRST APPEARED IN BOLET. OFIC. DEL ESTADO, JAN. 18, 1971.

SPAIN
LR(A)

"MAY 27, 1971 ORDER ON MEASURES TO CONTROL THE POLLUTION OF THE SEA" INT. DIG.
HLTH. LEG., V. 23,
WORLD HEALTH ORGANIZATION, COMP.
SPANISH 00/00/72 PGS 796 EPA ID# 01155A
WATER

THIS ORDER REQUIRES THAT PETROLEUM REFINERIES, PETROCHEMICAL PLANTS, AND LIQUID FUELS PLANTS HAVING OIL LOADING AND UNLOADING FACILITIES SITUATED IN PORTS OR ON COASTLINES BE EQUIPPED WITH AT LEAST ONE VESSEL THAT WILL DISCHARGE INTO THE SEA MIXTURES OF DETERGENTS AND DISPERSION PRODUCTS APPROVED BY THE SUB-SECRETARIAT OF THE MERCHANT MARINE. THE SPANISH-LANGUAGE ORIGINAL APPEARS IN BOLET. OFIC. DEL ESTADO. GAC. DE MADRID, JUNE 2, 1971, NO. 131, P. 8815.

SPAIN
LR(A)

"MAY 27, 1971 ORDER ON THE REGULATION OF THE USE OF DETERGENTS IN CONTROLLING OIL DISCHARGES INTO THE SEA" INT. DIG. HLTH LEG., V. 23
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/72 PGS 796-797 EPA ID# 01156A
WATER

THIS ORDER FORBIDS THE USE OF CERTAIN SURFACE-ACTIVE DETERGENTS (HAVING AN ANIONIC, CATIONIC OR NON-IONIC BASE) TO REMOVE OIL SLICKS FROM THE SEA AFTER JAN. 1, 1972. THE SPANISH-LANGUAGE ORIGINAL APPEARS IN BOLET. OFIC. DEL ESTADO. GAC. DE MADRID. JUNE 2, 1971, NO. 131, P. 8815. THIS ORDER IS COMPLEMENTED BY A JUNE 7, 1971 ORDER STANDARDIZING DETERGENTS USED TO REMOVE OIL SLICKS FROM THE SEA.

EUR
SPAIN
LR(A)

"JUNE 7, 1971 ORDER ON THE STANDARDIZATION OF DETERGENTS USED TO REMOVE OIL SLICKS FROM THE SEA" REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP. EPA
SPANISH 00/00/71 PGS 1387 ID# 01156B
WATER

THIS ORDER, ISSUED BY THE MINISTRY OF COMMERCE, COMPLEMENTS A MAY 27, 1971 ORDER REGULATING THE USE OF DETERGENTS IN CONTROLLING OIL DISCHARGES IN THE SEA. THE JUNE ORDER REQURIES THAT THE SPANISH OCEANOGRAPHIC INSTITUTE CONDUCT TOXICITY TESTS ON ALL ORGANIC SURFACE-ACTIVE PRODUCTS (ANIONIC, CATIONIC OR NON-IONIC) THAT ARE MANUFACTURED FOR USE IN REMOVAL OF HYDROCARBONS FROM THE SEA. THE SPANISH-LANGUAGE TEXT OF THIS ORDER FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, JUNE 21 AND 22, 1971.

SPAIN
LR(A)

"NOV. 4, 1971 DECREE ON THE REORGANIZATION OF THE MINISTRY OF PUBLIC WORKS."
REPERTORIO CRONOLOG. DE LEGIS.
EDITORIAL ARANZADI, COMP. EPA
SPANISH 00/00/71 PGS 2376-2379 ID# 01157A
WATER

THIS DECREE, ISSUED FROM THE MINISTRY OF PUBLIC WORKS, REORGANIZES THE STRUCTURE OF THIS MINISTRY AND ESTABLISHES TWO SUBDIVISIONS UNDER THE GENERAL DIRECTORATE OF HYDRAULIC WORKS THAT DEAL DIRECTLY WITH DOMESTIC WATER POLLUTION CONTROL. THE CENTRAL COMMISSION FOR WATER AND THE FIGHT AGAINST POLLUTION WILL DIRECT EFFORTS TO CLEAN-UP DOMESTIC WATERWAYS AND WILL BE IN CHARGE OF CONSERVING, INSPECTING AND GUARDING THESE WATERS WITHIN THE CONTINENTAL TERRITORY. THE "FIGHT AGAINST WATER POLLUTION" AND WATER TREATMENT SERVICE WILL CONDUCT RESEARCH AND IMPLEMENT VARIOUS ACTIVITIES IN THE SAME PROBLEM AREA. THE SPANISH-LANGUAGE TEXT OF THIS DECREE FIRST APPEARED IN THE BOLET. OFIC. DEL ESTADO, NOV. 4 AND 5, 1971. RESPONSIBILITY FOR THE PURITY OF SPANISH MARITIME WATERS FALL TO THE MINISTRY OF COMMERCE UNDER THE PROVISIONS OF THE APRIL 26, 1969 LAW ON REGULATORY STANDARDS CONCERNING MARITIME COASTS.

SPAIN
LR(B)

"WATER POLLUTION IN 'ENVIRONMENT 73.'" AGUA, NO. 78 (1973)
VARILLAS, VICENTE ET AL. EPA
SPANISH 06/00/73 PGS 26-45 ID# 02107A
ALSO SE AND PMB
WATER

THIS MAGAZINE ARTICLE CONTAINS THE TEXTS OF THREE REPORTS PRESENTED IN APRIL 1973 DURING THE "ENVIRONMENT 7.1" CONGRESS IN BILBAO, SPAIN. THE FIRST REPORT ELABORATES ON THE WATER PROBLEMS OF THE BILBAO REGION AND COMPARATIVELY SUMMARIZES FRENCH, GERMAN AND BRITISH LEGISLATION ON WATER POLLUTION AND THEN DETAILS MAJOR SPANISH LEGISLATION ON WATER POLLUTION AND LISTS THE ADMINISTRATIVE AND LEGISLATIVE OBJECTIVES FOR THE FUTURE CONTROL OF WATER POLLUTION. THE LAST TWO REPORTS EMPHASIZE THAT FINAL SOLUTIONS TO WATER POLLUTION PROBLEMS CAN ONLY BE ACHIEVED SOCIO-ECONOMICALLY, THROUGH CONSCIENTIOUS COOPERATION AMONG GOVERNMENT, INDUSTRY AND THE PUBLIC, AND BY CHANGING THE TRADITIONAL ATTITUDES AND CONCEPTS TOWARDS ENVIRONMENTAL ADMINISTRATION AND UNPRECEDENTED TECHNOLOGICAL GROWTH.

EUR
SPAIN
PM(B)

"PROBLEMS OF ATMOSPHERIC POLLUTION." AGUA, NO. 78
ENSENAT DE VILLALONGA, ALFONSO
SPANISH 06/00/73 PGS 46-55 EPA ID# 011338
ALSO SE
AIR

THIS REPORT WAS DELIVERED BY THE GENERAL SUBDIRECTOR OF STUDIES AND INDUSTRIAL POLLUTION OF THE SPANISH MINISTRY OF INDUSTRY TO THE "AMBIENTE 73" (ENVIRONMENT 73) CONGRESS IN BILBAO, SPAIN DURING APRIL 1973. THE REPORT DISCUSSES THE BASIC TECHNOLOGICAL, SOCIO-ECONOMIC AND LEGAL ASPECTS OF AIR POLLUTION CONTROL, SPECIAL EMPHASIS BEING GIVEN TO AIR POLLUTION PROBLEMS IN SPAIN. THE ATMOSPHERIC ENVIRONMENT PROTECTION LAW OF 1972 REFLECTS THE FUNDAMENTAL PRINCIPLE THAT A PRACTICAL EQUILIBRIUM MUST BE CREATED BETWEEN ENVIRONMENTAL PROTECTION AND SPAIN'S RAPIDLY GROWING TECHNOLOGY. THE IMMEDIATE APPLICATION OF THIS LAW WILL BE DELAYED SO THAT APPROPRIATE STANDARDS FOR AIR QUALITY AND INDUSTRIAL EMISSIONS CAN BE FORMULATED. THE REPORT CONCLUDES THAT 1974 WILL SEE THE FIRST APPLICATION OF THESE STANDARDS AND THAT BY 1975 LEVELS OF AIR POLLUTION IN SPAIN SHOULD BEGIN TO DECREASE DESPITE CONTINUED INDUSTRIAL GROWTH.

SPAIN
PM(A)

ADMINSTRATION AND ENVIRONMENT IN SPAIN
MIGUEL A. ARROYO GOMEZ
SPANISH 00/00/00 PGS 1-63 EPA ID# 01134A
ALSO LAB
GENERAL AIR WATER SOLID WASTE PESTICIDES RADIATION NOISE

THIS REPORT WAS PREPARED FOR PRESENTATION AT AN INTERNATIONAL MEETING ON ADMINISTRATION AND THE ENVIRONMENT ORGANIZED BY SPAIN'S NATIONAL PUBLIC ADMINISTRATION SCHOOL IN COLLABORATION WITH THE ORGANIZATION OF ECONOMIC COOPERATION AND DEVELOPMENT. IT CONTAINS CHAPTERS ON THE FOLLOWING TOPICS: SPAIN'S NATURAL ENVIRONMENT; DEVELOPMENT AND ENVIRONMENT; ADMINISTRATIVE ORGANIZATIONS DEALING WITH THE ENVIRONMENT IN SPAIN; SPANISH LEGISLATION CONCERNING THE ENVIRONMENT; SPAIN AND INTERNATIONAL ENVIRONMENTAL LEGISLATION; AND TRAINING AND RESEARCH IN THE ENVIRONMENTAL FIELD.

SPAIN
PM(A)

CODENA: CAMPAIGN FOR THE PROTECTION OF NATURE AND THE ENVIRONMENT. REPORT 1971-1973
DOCAVO ALBERTI, IGNACIO
SPANISH 00/00/74 PGS 1-93 EPA ID# 02576A
ALSO PMB AND SE
GENERAL SOLID WASTE WATER

THIS REPORT, COVERING THE PERIOD 1971-1973, DISCUSSES, IN DEPTH, THE ACTIVITIES OF THE VALENCIAN COMMISSION FOR THE PROTECTION OF NATURE AND THE ENVIRONMENT (CODENA), THE OFFICIAL ENVIRONMENTAL AGENCY IN THE SPANISH PROVINCE OF VALENCIA. THE INTRODUCTION TO THE REPORT DISCUSSES THE CREATION IN 1971 OF CODENA, ITS STRUCTURING, GOALS, PRESENT ACTIVITIES AND FUTURE PLANS. THE BODY OF THE REPORT PRESENTS STATISTICAL INFORMATION AND BUDGETARY DATA AND CONSIDERS THE ACTIVITIES OF CODENA UNDER THE FOLLOWING CHAPTERS: EDUCATION AND CULTURAL ACTION IN THE ENVIRONMENT; PREVENTION AND CONTROL OF FOREST FIRES; PROTECTION OF BEACHES; COLLECTION AND TREATMENT OF REFUSE; AND URBAN PARK SERVICE. THE REPORT PARTICULARLY EMPHASIZES THE NEED FOR PUBLIC EDUCATION AND PARTICIPATION IN THE CREATION OF SOUND ECOLOGICAL AND ENVIRONMENTAL PROGRAMS.

EUR
SPAIN
PM(B)

"INDUSTRIAL AND TECHNOLOGICAL DEVELOPMENT AND ITS EFFECT ON THE ENVIRONMENT."
ECONOMIA INDUSTRIAL
VILLALONGA, ENSENAT DE
SPANISH 08/00/74 PGS 57-60 EPA ID# 02685A
ALSO SE
GENERAL

THIS ADDRESS WAS DELIVERED BY THE SPANISH SUBDIRECTOR GENERAL OF STUDIES AND INDUSTRIAL POLLUTION DURING THE OPENING SESSION OF THE TECHNICAL SEMINAR ON ENVIRONMENTAL POLLUTION. IT CONSIDERS THE EFFECT OF INDUSTRIAL DEVELOPMENT ON THE ENVIRONMENT, THE ANTI-POLLUTION MEASURES WHICH HAVE BEEN INITIATED IN INDUSTRIALIZED COUNTRIES, AND OTHER DEVELOPMENTS AFFECTING THE ECOLOGICAL-INDUSTRIAL RELATIONSHIP. WITH REGARD TO SPAIN, THE AUTHOR STRESSES THE IMPORTANCE OF CONTINUED INDUSTRIAL GROWTH AND ADEQUATE CONSIDERATION FOR ENVIRONMENTAL PRESERVATION. BOTH ECONOMIC AND LEGAL MEASURES FOR ENVIRONMENTAL PROTECTION ARE STILL IN THE FORMATIVE STAGES. HOWEVER, THE MINISTRIES OF INDUSTRY AND GOVERNMENT AND THE INTERMINISTERIAL COMMISSION FOR THE ENVIRONMENT ARE CURRENTLY FORMULATING ENVIRONMENTAL LEGISLATION, AND A COMPREHENSIVE NATIONAL POLICY ON THE ENVIRONMENT WILL PROBABLY BE PROMULGATED IN 1975. IT IS BELIEVED THAT LEGISLATIVE DEVELOPMENTS AND THE SUPPORT OF ANTI-POLLUTION INDUSTRIES WILL MAKE 1980 A "CLEAN" YEAR.

SPAIN
PM(B)

"SPANISH NUCLEAR PLANTS. THEIR NECESSITY, SAFETY AND INFLUENCE ON THE ENVIRONMENT." ENERGIA NUCLEAR, NO. 91
SPANISH 10/00/74 PGS 281-378 EPA ID# 02860A
ALSO LRB, PMA, SE AND ST
RADIATION

THIS SPECIAL ISSUE OF "ENERGIA NUCLEAR," THE OFFICIAL BIMONTHLY PUBLICATION OF THE SPANISH NUCLEAR ENERGY BOARD, CONTAINS SEVERAL ARTICLES CONSIDERING FEATURES OF NUCLEAR ENERGY USE AND DEVELOPMENT IN SPAIN AS COMPARED WITH OTHER NATIONS. INDIVIDUAL ARTICLES DISCUSS NUCLEAR ENERGY DEMAND, THE SPANISH NUCLEAR ENERGY PROGRAM IN COMPARISON WITH PROGRAMS OF OTHER COUNTRIES, NUCLEAR ENERGY LEGISLATION IN SPAIN COMPARED WITH THAT OF THE UNITED STATES AND ITALY, APPLICATION OF STANDARDS, REGULATIONS AND SAFETY MEASURES IN NUCLEAR INSTALLATIONS, SURVEILLANCE, CONTROVERSY AND OPPOSITION TO NUCLEAR ENERGY, AND TECHNICAL ASPECTS OF ACTUAL AND POSSIBLE EFFECTS OF NUCLEAR ENERGY PLANTS ON THE ENVIRONMENT.

EUR
SPAIN
PM(B)

"EXTRA-ECONOMIC MOTIVATIONS IN THE USE OF SUBTERRANEAN WATER: HYDROESQUIZOPHRENIA." AGUA, NO. 82, 1974
LLAMAS, M. R.
SPANISH EPA
ALSO SE 02/00/74 PGS 29-36 ID# 02254A
WATER

THIS MAGAZINE ARTICLE, PUBLISHED IN SPANISH WITH SUMMARIES IN SPANISH AND ENGLISH, REPRINTS THE FINAL LECTURE OF A CONFERENCE ENTITLED "12 LESSONS ON ECONOMIC CRITERIA FOR GROUNDWATER DEVELOPMENT" HELD IN JUNE 1973 AT THE UNIVERSITY OF MADRID. THIS ARTICLE DISCUSSES HYDROESQUIZOPHRENIA, WHICH IS DEFINED AS THAT MENTAL ATTITUDE WHICH CAN LEAD PLANNERS AND POLICY MAKERS TO FORMULATE SURFACE-WATER LAWS AND PROGRAMS WHICH ARE RADICALLY DIFFERENT FROM AND UNRELATED TO GROUND-WATER LAWS AND PROGRAMS. SINCE SURFACE AND GROUND WATERS ARE INTERCHANGEABLE AND INTRINSICALLY RELATED, LAWS AND PROGRAMS SHOULD DEAL SIMILARLY WITH BOTH. HYDROESQUIZOPHRENIA ARISES FROM BUREAUCRATIC DISUNITY, AND THE PROBLEM IS COMPOUNDED BY 1) A LACK OF TECHNOLOGICAL KNOWLEDGE; 2) INADEQUATE LAWS; 3) SOCIO-ECONOMIC CONSTRAINTS; AND 4) POLITICAL FACTORS. FOLLOWING AN ANALYSIS OF HYDROESQUIZOPHRENIA IN GENERAL, THE ARTICLE DISCUSSES THE PROBLEM AS IT EXISTS SPECIFICALLY IN SPAIN.

SPAIN
PM(B)

"PROTECTION OF PUBLIC WATERS." BOLETIM TRIMESTRAL DE INFORMACAO, NO. 49
PORTUGAL. DIRECCAO-GERAL DOS SERVICOS HIDRAULICOS
SPANISH EPA
ALSO SE 04/00/73 PGS 7-13 ID# 02345A
WATER

THIS ADDRESS, DELIVERED ON OCTOBER 27, 1972 BY THE SPANISH DIRECTOR GENERAL OF WATER WORKS DURING THE "WATER IN INDUSTRY" SYMPOSIUM, GIVES A REVIEW OF THE HISTORICAL AND INTERNATIONAL CONCEPTS OF WATER PROTECTION IN RELATION TO THE PRESENT SITUATION AS IT PERTAINS TO THE ADMINISTRATION AND PROTECTION OF WATER RESOURCES IN SPAIN. WATER PROTECTION IS BASICALLY AN ECONOMIC PROBLEM. THE ADDRESS LISTS THE MAJOR GOVERNMENT PROGRAMS TO COMBAT WATER POLLUTION AND DISCUSSES INDUSTRIAL SPENDING, REFLECTING A GROWING CONCERN OVER WATER POLLUTION. HOWEVER, COMPREHENSIVE SOLUTIONS LIE IN REORIENTATION OF INDUSTRIAL ATTITUDES AND ECONOMIC PRIORITIES AND IN A BETTER ORGANIZATION AND APPLICATION OF EXISTING LEGISLATION, ESPECIALLY WITH REGARD TO WASTE DISCHARGES INTO PUBLIC WATERS. THE ADDRESS CONCLUDES THAT PUBLIC WATER PROTECTION IS AN INTEGRAL PART OF THE COMPLEX PROBLEM OF NATIONAL DEVELOPMENT, REQUIRING COORDINATION AND COOPERATION ON ALL LEVELS OF GOVERNMENT AND INDUSTRY.

EUR
SPAIN
SE( )

"THIRD PLAN OF ECONOMIC AND SOCIAL DEVELOPMENT." INFORMACIONES MONOGRAFIA.
EPA
ENGLISH 03/10/72 PGS 1-30 ID# 00775A
ALSO PMB
AIR WATER NOISE

THE PRINCIPAL PROJECTS ANTICIPATED UNDER SPAIN'S "THIRD PLAN" INCLUDE: DESULFURIZATION OF FUEL-OIL GASES AND PURIFICATION OF RESIDUAL GASES CONTAINING SULFUROUS ANHYDRIDE; BATTLE AGAINST WATER CONTAMINATION; CONTROL OVER ENVIRONMENTAL NOISE; AND THE CONSERVATION OF NATURAL PARKS, GREEN ZONES, AND RECREATION AREAS IN THE SURROUNDING OF THE LARGE TOWNS. FOR THE GREAT RESERVE OF CORDOBAN INDUSTRIAL LAND SITUATED BETWEEN CORDOBA AND THE SUBURB OF ALCOLES, THE CENTRAL COMMISSION OF TOWN PLANNING HAS DRAFTED AND IS IN THE PROCESS OF APPROVING THE PROJECT FOR PAVING, LEVELLING, DRAINAGE AND WATER SUPPLY OF THE AREA.

SPAIN
ST( )

ECONOMIA INDUSTRIAL (INDUSTRIAL ECONOMY). V. 9, NO. 108
SPAIN. MINISTRY OF INDUSTRY
EPA
SPANISH 12/00/72 PGS 1-208 ID# 01160A
ALSO LRB AND PMB
WATER AIR

THIS ISSUE OF "ECONOMIA INDUSTRIAL," PUBLISHED MONTHLY BY THE SECRETARIAT GENERAL FOR TECHNOLOG OF THE SPANISH MINISTRY OF INDUSTRY, CONTAINS THREE ARTICLES PERTINENT TO ENVIRONMENTAL CONTROL: RESEARCH INTO THE TREATMENT AND PURIFICATION OF WATER, BY JOSE FERNADEZ-URRUTIA; EQUIPMENT FOR THE TREATMENT OF WATER, BY ENRIQUE KAIBEL; AND THE NECESSITY FOR (EUROPEAN) COMMUNITY ACTION IN THE FIELD OF POLLUTION, BY M. EDGAR JAHN. THE FIRST OF THESE ARTICLES CALLS FOR RESEARCH INTO THE EXTENT OF THE POLLUTION OF SPANISH WATER RESOURCES, INVESTIGATION OF METHODS FOR THE TREATMENT OF WATER, AND STUDIES AIMED AT ACQUIRING A BETTER KNOWLEDGE OF WATER POLLUTANTS. THE SECOND ARTICLE DISCUSSES THE CONVERSION OF SALINE, THERMAL, AND OTHER WATERS INTO FRESH WATER. THE THIRD ARTICLE IS A REPORT TO THE PARLIAMENT OF THE EUROPEAN COMMUNITY ON AIR POLLUTION. IT COVERS THE HARMFUL EFFECTS OF AIR POLLUTION AND ITS IMPACT ON THE ECONOMY, COUNTERMEASURES TAKEN AND PLANNED, THE PUBLISHED REACTION, AND THE LEGAL RECOURSES OF THE EUROPEAN COMMUNITY.

SPAIN
ST( )

ECONOMIA INDUSTRIAL (INDUSTRIAL ECONOMY). V. 9, NO. 105
SPAIN. MINISTRY OF INDUSTRY
EPA
SPANISH 09/00/72 PGS 1-310 ID# 01161A
ALSO PMB AND LRB
WATER

THIS ISSUE OF "ECONOMIA INDUSTRIAL," PUBLISHED MONTHLY BY THE SECRETARIAT GENERAL FOR TECHNOLOGY OF THE SPANISH MINISTRY OF INDUSTRY, IS DEVOTED TO THE POLLUTION OF WATER BY VARIOUS TYPES OF INDUSTRIAL CONCERNS; THE INDIVIDUAL ARTICLES DERIVING PRIMARILY FROM THE FIRST SYMPOSIUM ON WATER IN INDUSTRY. AMONG THE PRESENTATIONS ARE: GENERALITIES ON THE CONTAMINATION OF WATERS OF INDUSTRIAL ORIGIN; THE OIL INDUSTRIES; THE FOOD INDUSTRIES; CHEMICAL AND PETROCHEMICAL INDUSTRIES; ELECTRIC INDUSTRIES AND NCULEAR ENTERPRISES; CELLULOSE AND PAPER INDUSTRIES; TEXTILE INDUSTRIES; MINING AND QUARRYING; AND LEGISLATION ON WATER POLLUTION. ALSO INCLUDED IN THE PUBLICATION ARE ARTICLES ON THE GENERAL CONCLUSIONS OF THE SYMPOSIUM; THE JURISDICTION OF THE MINISTRY OF INDUSTRY ON MATTERS RELATING TO WATER; AND THE CONCLUSIONS OF THE U.N. CONFERENCE ON THE HUMAN ENVIRONMENT HELD IN STOCKHOLM.

EUR
SWEDEN
LR(A)

STATUTORY REGULATION OF NOV. 20, 1968, ON REDUCTION OF SULPHUR CONTENT IN FUEL OIL. SVERIGES RIKES LAG
HELLQUIST, C. G., COMP.
SWEDISH 00/00/72 PGS 8 1286 EPA ID# 00525A
SVERIGES RIKES LAG.
AIR

THE 1968 REGULATION ESTABLISHED MAXIMUM SULPHUR CONTENT IN HEATING OILS AT 2.5 PERCENT. IT ALSO ALLOWS STATE ADMINISTRATION TO ESTABLISH MORE STRINGENT STANDARDS IN HIGH POLLUTION AREAS AND TO ALLOW USE OF LOWER GRADE FUEL WHEN EMISSIONS ARE TREATED BY EFFECTIVE EQUIPMENT.

SWEDEN
LR(A)

STATUTORY REGULATION OF MARCH 24, 1972, ON REDUCTION OF SULPHUR CONTENT IN FUEL OIL. SVENSK FORFATTNINGSSAMLING 1972:7
SWEDISH 00/00/72 PGS N.P. EPA ID# 00525B
AIR

THE REGULATION OF 1972 AMENDS THE 1968 STATUTE, REDUCING MAXIMUM SULPHUR CONTENT IN FUEL OILS TO ONE PERCENT FOR METROPOLITAN AREAS OF STOCKHOLM, GOTEBORG, MALMO AND OTHER CITIES.

SWEDEN
LR(A)

"JUNE 17, 1974 ROYAL REGULATION EXTENDING VALIDITY OF REGULATION (1969:356) ON STATE SUBSIDY TO ANTI-POLLUTION MEASURES IN INDUSTRY AND AMENDMENT." SVENSK FORFATTNINGSSAMLING
SWEDISH 06/17/74 PGS 1-2 EPA ID# 027398
ALSO SE
AIR WATER

THIS REGULATION EXTENDS THE VALIDITY OF REGULATION 356 OF 1969 GRANTING STATE SUBSIDIES TO INDUSTRY FOR ANTI-POLLUTION MEASURES FOR CERTAIN PURPOSES THROUGH THE END OF JUNE 1975. THE ORIGINAL REGULATION APPLIED TO A FIVE-YEAR PERIOD FROM 1969 THROUGH JUNE 30, 1974. THE CURRENT REGULATION STIPULATES THAT A STATE GRANT MAY EQUAL UP TO 25 PERCENT OF COSTS FOR AIR AND WATER CONSERVATION MEASURES AND MAY BE AWARDED TO INDUSTRIES IN WHICH NO SIGNIFICANT MEASURES AGAINST POLLUTION HAVE BEEN TAKEN PREVIOUSLY. UP TO 50 PERCENT OF COSTS FOR EXPERIMENTAL MEASURES MAY BE GRANTED IF THEIR DEVELOPMENT HAS GENERAL RELEVANCE. ALTHOUGH THE STATE ENVIRONMENT PROTECTION BOARD ADMINISTERS THE GRANTS, THE CABINET MUST MAKE DECISIONS ABOUT PROJECTS INVOLVING MORE THAN 2,500,000 SWEDISH KRONOR AND ABOUT EXPERIMENTAL MEASURES INVOLVING MORE THAN 25 PERCENT OF COSTS.

EUR
SWEDEN
LR(A)

"SULFUR CONTENT IN FUEL OIL. ORDINANCE AND INSTRUCTION FOR APPLICATION."
STATENS NATURVARDSVERK PUBLIKATION 1969:5
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 00/00/69 PGS 1-6 ID# 02743A
ALSO PMB
AIR

THIS PUBLICATION REPRINTS THE NOVEMBER 20, 1968 ORDINANCE ON REDUCTION OF SULFUR CONTENT IN FUEL OIL TOGETHER WITH INSTRUCTIONS FOR ITS IMPLEMENTATION ISSUED BY THE NATIONAL ENVIRONMENT PROTECTION BOARD (NEPB). THE ORDINANCE FORBIDS BURNING OF FUEL OIL CONTAINING OVER 2.5 PERCENT BY WEIGHT OF SULFUR. COUNTY ADMINISTRATION AUTHORITIES MAY GRANT EXEMPTION FROM THE RULE IN CERTAIN CIRCUMSTANCES. SELLERS ARE REQUIRED TO PROVIDE INFORMATION ABOUT THE SULFUR CONTENT OF THEIR PRODUCT. THE INSTRUCTION ALLOWS USE OF FUEL OIL WITH A HIGHER SULFUR CONTENT 1) BY INSTALLATIONS WITH FLUE GAS CLEANING DEVICES TO KEEP SULFUR DIOXIDE EMISSIONS AT THE SAME LEVEL AS THEY ARE WITH THE LOWER SULFUR-CONTENT FUEL, 2) FOR AN INDUSTRIAL PROCESS FROM WHICH SULFUR DIOXIDE DOES NOT EXCEED THE ACCEPTABLE LEVEL, 3) TO PROPEL A VEHICLE, 4) IN INDIVIDUAL CASES DECIDED BY NEPB. COUNTY ADMINISTRATION OFFICIALS MAKE DECISIONS IN REGARD TO EXEMPTION AND ARE RESPONSIBLE FOR ENFORCEMENT.

SWEDEN
LR(A)

"DECEMBER 1, 1972 ORDINANCE ON VEHICLE EXHAUST EMISSIONS." SVENSK FORFATTNINGSSAMLING 1972:596
EPA
SWEDISH 12/01/72 PGS 1-5 ID# 03447A
AIR

THIS ORDINANCE, AMENDED ON MARCH 23, 1973, CONTAINS REGULATIONS PERTAINING TO CARS WITH INTERNAL COMBUSTION ENGINES. CLOSED CRANKCASE VENTILATION AS WELL AS A DEVICE TO REDUCE POLLUTANTS IN THE EXHAUST SYSTEM ARE REQUIRED IF A CAR IS GASOLINE-OPERATED. A 1976 CAR CANNOT EXCEED A RATIO OF 24.2 GRAMS CARBON MONOXIDE, 2.1 GRAMS HYDROCARBON, AND 1.9 GRAM NITRIC OXIDE ON A KILOMETER BASIS; THIS CORRESPONDS TO THE U.S. REQUIREMENTS FOR A 1973 LIGHT MOTOR VEHICLE MODEL. IN DIESEL-OPERATED CARS, THE FUEL INJECTION PUMP MUST BE SEALED AND A DEVICE INSTALLED TO PREVENT COLORED OR OPAQUE EXHAUST FUMES FROM DEVELOPING EXCEPT WHEN THE CAR IS STARTED OR GEARS ARE CHANGED. GOVERNMENT OWNED CARS WHICH ARE USED FOR CERTAIN MILITARY PURPOSES, CARS USED WITHIN AN ENCLOSURE, AND CARS WITH A CYLINDER VOLUME OF LESS THAN 0.8 LITER OR A TOTAL WEIGHT EXCEEDING 2.5 TONS ARE EXEMPT FROM THESE RULES OR PART THEREOF. REGULATION VIOLATIONS MAY RESULT IN FINES UP TO 500 SWEDISH KRONOR. DETAILED IMPLEMENTATION INSTRUCTIONS OF THE ORDINANCE ARE INCLUDED.

EUR
SWEDEN
LP(A)

"1969 ENVIRONMENTAL PROTECTION ACT." ENVIRONMENTAL PROTECTION ACT AND MARINE DUMP ACT WITH COMMENTARIES.
NAT ENVIR PROT BOARD
EPA
ENGLISH 04/00/72 PGS 1-85 ID# 00129A
INFO FOR U.N. CONF. ON ENVIRONMENT
GENERAL AIR NOISE WATER

THE FIRST PART OF THIS BOOKLET REVIEWS THE SCOPE OF THE ENVIRONMENT PROTECTION ACT (CODE 387). A LEGISLATIVE LANDMARK IN SWEDEN'S ANTIPOLLUTION PROGRAM. IT SETS FORTH CRITERIA FOR CONTROL OF AIR AND WATER POLLUTION, NOISE, AND OTHER NUISANCES, AND CITES CASE DECISIONS OF EXAMINING BOARDS TO SHOW THE LAW'S APPLICATION, COMPENSATION GRANTED, OR PENALTIES IMPOSED. UNDER THE ACT, PERSONS OR FIRMS PLANNING TO ENGAGE IN SPECIFIED INDUSTRIAL ACTIVITIES ARE REQUIRED TO APPLY TO A FRANCHISE BOARD FOR A PERMIT TO OPERATE. THIS BOARD MUST BE FULLY APPRAISED OF POSSIBLE POLLUTING EFFECTS OF THE ENTERPRISE, AND WHAT CONTROL DEVICES ARE TO BE USED TO COUNTERACT THE POLLUTION. AN OFFICIAL ENGLISH TRANSLATION OF THE ACT AND OF A 1969 ENVIRONMENTAL PROTECTION ORDINANCE (CODE 388) ARE PROVIDED.

SWEDEN
LR(B)

ENVIRONMENTAL PLANNING IN SWEDEN - NO. 36.
EMMELIN, LARS
EPA
ENGLISH 01/00/73 PGS 1-6 ID# 00129B
ALSO PMA
GENERAL

THIS ENVIRONMENTAL PLANNING ISSUE IS DEVOTED TO A REVIEW OF THE ACTUAL OPERATION OF THE ENVIRONMENT PROTECTION ACT. BRIEFLY HIGHLIGHTED ARE THE PRINCIPLES OF THIS ACT, THE GRANTING OF POLLUTION PERMITS, THE FRANCHISE BOARD FOR ENVIRONMENT POLLUTION, APPEALS AGAINST ITS DECISIONS, EXEMPTIONS AND THE LEGAL DIFFERENCES BETWEEN THOSE GRANTED BY THE ENVIRONMENT PROTECTION BOARD AND THE FRANCHISE BOARD, APPLICATION OF THE ENVIRONMENT ACT TO OLDER PLANTS, SEWAGE AND ITS DISCHARGE INTO MUNICIPAL MAINS, LOCATION OF INDUSTRY, AND PROPOSALS FOR LEGISLATIVE CHANGE. THE GENERAL TREND IN FRANCHISE BOARD DECISIONS IS THAT, GIVEN THE RAPID DEVELOPMENT OF POLLUTION-CONTROL TECHNOLOGY, THE TIME IS APPROACHING WHEN INDUSTRIAL APPLICANTS MUST SUBMIT PLANS FOR THE MODERNIZING OF POLLUTION CONTROL EQUIPMENT.

EUR
SWEDEN
LR(B)

"THE PRINCIPAL FEATURES OF THE SWEDISH ENVIRONMENTAL LAW." DEUTSCHES VERWALTUNGSBLATT, V. 86
SCHROER, FRIEDRICH EPA
GERMAN 11/01/71 PGS 813-20 ID# 00129C
GENERAL

THIS ARTICLE REVIEWS SWEDISH ENVIRONMENTAL LEGISLATION AS CONTAINED IN THE ENVIRONMENTAL PROTECTION LAW OF 1969 AND ITS IMPLEMENTING LEGISLATION. FIRST DISCUSSED ARE THE AREAS COVERED BY THE LAW, INCLUDING WATER AND AIR POLLUTION AND DISTURBANCES THROUGH NOISE, VIBRATIONS AND LIGHT, BUT NOT, FOR EXAMPLE, RADIOACTIVITY AND OTHER AREAS RELATING TO ATOMIC ENERGY. NEXT DEALT WITH ARE CONDITIONS UNDER WHICH ACTIVITIES HARMFUL TO THE ENVIRONMENT MAY BE PERMITTED, INCLUDING LOCATIONS WHERE SUCH ACTIVITIES ARE ALLOWED AND PROTECTIVE MEASURES WHICH MUST BE TAKEN. NEXT DISCUSSED ARE CONDITIONS UNDER WHICH ENTREPRENEURS MUST EITHER RECEIVE OFFICIAL PERMISSION FOR OR MAKE DECLARATION OF POTENTIALLY POLLUTING ACTIVITIES. OTHER SECTIONS DISCUSS: PROVISIONS FOR ALREADY EXISTING PLANTS AND WATER PURIFICATION INSTALLATIONS; PROCEEDINGS BEFORE THE VARIOUS ENVIRONMENTAL AUTHORITIES; AND GOVERNMENT SUBVENTION OF ANTI-POLLUTION MEASURES.

SWEDEN
LR(A)

"DEC 19, 1958 REGULATIONS ON PUBLIC HEALTH, AS AMENDED." INT. DIG. HLTH. LEG., V. 11.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/60 PGS 473-488 ID# 01451A
GENERAL WATER AIR SOLID WASTE NOISE

CHAPTER 7 ESTABLISHES RESPONSIBILITY OF LOCAL HEALTH BOARDS, UNDER SUPERVISION OF ROYAL MEDICAL BOARD AND ROYAL VETERINARY BOARD, TO ENSURE IMPLEMENTATION OF MEASURES TO PREVENT WATER & AIR POLLUTION, NOISE AND SIMILAR NUISANCES. REASONABLE ANTI-POLLUTION MEASURES MUST BE IMPLEMENTED BEFORE WASTEWATER IS DISCHARGED. DRAINAGE SYSTEMS MUST NOT CREATE A SANITARY NUISANCE. SPECIAL REGULATIONS MAY BE ISSUED TO ENFORCE PROHIBITION ON DISCHARGE OF WASTEWATER OR SOLID WASTE INTO WATER BODIES WITHOUT PROPER AUTHORIZATION BY ENVIRONMENTAL PROTECTION AUTHORITIES. CHAPTER 12 REQUIRES THAT INDUSTRIAL ENTERPRISES AND BUSINESSES BE CONSTRUCTED AND MAINTAINED SO AS TO PREVENT SANITARY NUISANCES. REGULATIONS SHALL BE ISSUED TO PROHIBIT CONSTRUCTION OR ALTERATION OF CERTAIN TYPES OF ENTERPRISES WITHOUT APPROVAL OF ENVIRONMENTAL PROTECTION BOARD AND NATURE CONSERVATION BOARD. THESE REGULATIONS WERE AMENDED BY A JUN 13, 1969 ORDER (IDHL, 1971, V. 22, P. 178). (OFFICIAL TEXT IS IN SVENSK FORFATTNINGSSAMLING, V. 1958, N. 663, PP. 1881-96.)

EUR
SWEDEN
LR(B)

"JUNE 28, 1974 ORDINANCE NO. 606 ON AMENDMENT TO THE INSTRUCTION (1967:444) FOR THE NATIONAL ENVIRONMENT PROTECTION BOARD." SVENSK FORFATTNINGSSAMLING
EPA
SWEDISH 00/00/74 PGS 1-3 ID# 03451A
GENERAL

THIS ORDINANCE DECREES THAT THE NATIONAL ENVIRONMENTAL PROTECTION BOARD IS TO BE GOVERNED BY A COUNCIL WHOSE MEMBERS WILL BE A DIRECTOR GENERAL, APPOINTED PRESIDENT OF THE COUNCIL BY THE CABINET FOR A PERIOD NOT TO EXCEED SIX YEARS, AND SIX OTHER MEMBERS, APPOINTED BY THE CABINET FOR A PERIOD NOT TO EXCEED THREE YEARS. THE BOARD IS TO BE ORGANIZED INTO THE FOLLOWING MAJOR DIVISIONS: THE ADMINISTRATIVE, NATURE RESOURCES, AND TECHNICAL DEPARTMENTS. THE PLANNING SECRETARIAT, THE RESEARCH SECRETARIAT, AND THE RESEARCH LABORATORY. A FURTHER BREAKDOWN OF THE BOARD'S ADMINISTRATION IS INCLUDED AS WELL AS A DISCUSSION OF THE ORGANIZATION'S DUTIES.

SWEDEN
LR(B)

PUBLIC HEALTH SERVICE
STOCKHOLM CENTRAL BOARD OF ADMINISTRATION INFO. COMMITTEE EPA
ENGLISH 00/00/72 PGS 28 ID# 00111A
NOISE

SEVERAL ANTINOISE MEASURES HAVE BEEN INITIATED BY STOCKHOLM'S PUBLIC HEALTH COMMITTEE. JET AIRCRAFT NOISE WAS REDUCED BY DESIGNATING NEARBY BROMMA AIRPORT EXCLUSIVELY FOR PISTON-ENGINED AIRCRAFT WHILE DIVERTING JET TRAFFIC TO ARLANDA AIRPORT 40 MILES AWAY. THE REQUIRED WARMUP OF PISTON ENGINES BEFORE TAKEOFF HAS BEEN HELD TO A MINIMUM SINCE SWEDEN'S DOMESTIC AIRLINES WERE URGED TO FIT THEIR AIRCRAFT WITH ENGINE HEATERS. A RECENT ORDINANCE PROHIBITS IDLING OF MOTOR VEHICLE ENGINES OUTDOORS FOR LONGER THAN THREE MINUTES EXCEPT DURING TRAFFIC DELAY. THE SOUND LEVEL FROM A REFUSE COLLECTION TRUCK MUST NOT EXCEED 70 DB (DECIBLES) MEASURED THREE METERS AWAY, AND COMPRESSORS ON CONSTRUCTION SITES MUST NOT EMIT NOISE EXCEEDING 70 DB AT A DISTANCE OF SEVEN METERS.

SWEDEN
LR(A)

"GENERAL REGULATIONS ON PUBLIC ORDER, 1956." SVERIGES RIKES LAG.
HELLQUIST, C. G., COMP.
EPA
SWEDISH 00/00/72 PGS B1050-55 ID# 00905A
NOISE

THIS ORDINANCE CONTAINS CERTAIN PROVISIONS FOR CONTROLLING NOISE. SECTION 6 PROHIBITS USE OF EXPLOSIVES, FIREWORKS AND FIREARMS BY THE GENERAL PUBLIC. SECTIONS 7 AND 8 GRANT LOCAL AUTHORITIES WIDE LATITUDE IN ISSUING REGULATIONS AND INDIVIDUAL INJUNCTIONS TO PREVENT NOISE NUISANCES. SECTION 12 ALLOWS AUTHORITIES TO PROHIBIT CERTAIN ACTIVITIES, SUCH AS PUBLIC DANCES, WHICH MAY CAUSE OR CREATE DISTURBANCES. EXCEPT FOR CERTAIN TYPES OF NOISE POLLUTION REGULATED BY ENVIRONMENTAL PROTECTION LAWS, MOTOR VEHICLE REGULATIONS OR AVIATION LAWS, CONTROL OF NOISE POLLUTION IS GENERALLY LEFT TO LOCAL COMMUNITIES.

EUR
SWEDEN
LR(A)

"STATUTE ON PROTECTION AGAINST RADIATION, MAR 14, 1958." SVERIGES RIKES LAG.
HELLQUIST, C. G., COMP.
EPA
SWEDISH 00/00/72 PGS B1065-68 ID# 00689A
RADIATION

SECTION 1 OF THE STATUTE DEFINES "RADIOLOGICAL WORK" AS ANY WORK INVOLVING RADIOACTIVE SUBSTANCES, NUCLEAR ENERGY, ROENTGEN EQUIPMENT OR OTHER DEVICES WHICH EMIT IONIZING RADIATION. THE STATUTE REQUIRES A PERMIT FROM THE RADIATION PROTECTION AUTHORITY FOR ANY "RADIOLOGICAL WORK" AND DEFINES CONDITIONS UNDER WHICH PERMITS MAY BE GRANTED (SECT. 2-9). SPECIAL OBLIGATIONS OF THOSE RECEIVING PERMITS INCLUDE COMPULSORY MEDICAL EXAMINATIONS FOR ANYBODY ENGAGED IN "RADIOLOGICAL WORK" (SECT. 10-13). REQUIREMENTS FOR SUPERVISION AND INSPECTION OF FACILITIES ENGAGED IN "RADIOLOGICAL WORK" OR TRANSPORT OF RADIOACTIVE SUBSTANCES ARE ESTABLISHED IN SECTIONS 14-23. PROVISIONS ON CIVIL AND CRIMINAL LIABILITY ARE IN SECTIONS 23-29. AMENDMENTS TO THE STATUTE INCLUDE SVENSK FORFATTNINGSSAMLING 1958, NO. 652, SFS 1965, NO. 237 AND SFS 1971, NO. 617.

SWEDEN
LR(A)

"ROYAL INSTRUCTION ON THE NATIONAL INSTITUTE FOR RADIATION PROTECTION." SVENSK
FORFATTNINGSSAMLING 1965, N. 785.
EPA
SWEDISH 12/03/65 PGS 1-4 ID# 00689B
RADIATION

THE "ROYAL INSTRUCTION" ESTABLISHES THE NATIONAL INSTITUTE FOR RADIATION PROTECTION AS THE AUTHORITY RESPONSIBLE UNDER THE "STATUTE ON PROTECTION AGAINST RADIATION, MAR 14, 1958" FOR SUPERVISION OF RADIOLOGICAL WORK. IN ADDITION TO ITS SUPERVISORY FUNCTIONS, THE INSTITUTE IS CHARGED WITH THE FOLLOWING TASKS: TO CONDUCT RESEARCH NECESSARY IN MEETING ITS RESPONSIBILITIES, TO GATHER DATA AND DISSEMINATE INFORMATION ON HAZARDS OF IONIZING RADIATION, TO MONITOR PROGRESS IN THE STUDY OF RADIOPHYSICS, RADIATION PROTECTION MEDICINE AND THE BIOLOGICAL EFFECTS OF RADIATION. AN ENGLISH SUMMARY APPEARS IN "INTERNATIONAL DIGEST OF HEALTH LEGISLATION," V. 18, 1967, GENEVA, P. 188 (ATTACHED). THE "ROYAL INSTRUCTION" IS AMENDED BY SVENSK FORFATTNINGSSAMLING 1971, N. 1128.

SWEDEN
LR(A)

"STATUTE ON CLEANLINESS IN THE MUNICIPALITIES, 1970, N. 892, AS AMENDED."
SVERIGES RIKES LAG.
HELLQUIST, C. G., COMP.
EPA
SWEDISH 00/00/72 PGS B1055-56 ID# 00816A
SOLID WASTE

THIS STATUTE REQUIRES MUNICIPALITIES TO MAINTAIN CLEANLINESS OF STREETS, SQUARES, PARKS AND OTHER PUBLIC PLACES. REAL ESTATE OWNERS AND USERS MAY BE REQUIRED TO PERFORM CERTAIN MAINTENANCE TASKS SUCH AS CLEANING SIDEWALKS ADJACENT TO THE PROPERTY. MUNICIPALITIES ARE FURTHER REQUIRED TO RESTORE PUBLIC PLACES WHICH HAVE BECOME LITTERED OR RUN DOWN. PERSONS RESPONSIBLE FOR LITTERING A PUBLIC PLACE MAY BE ORDERED TO RESTORE THE AREA, BUT THAT FAILING, THE MUNICIPALITY REMAINS ULTIMATELY RESPONSIBLE. MUNICIPALITIES ARE REQUIRED TO PROVIDE SUITABLE PLACES FOR WASTE DISPOSAL WHICH MUST MEET REQUIREMENTS OF ENVIRONMENTAL PROTECTION LAWS. TRASH COLLECTION MONOPOLIES MAY BE ESTABLISHED. DECISIONS BY A MUNICIPAL AUTHORITY MAY BE APPEALED TO THE COUNTY AUTHORITY. THIS STATUTE IS AMENDED BY SVENSK FORFATTNINGSSAMLING 1971:949. FEES WHICH MAY BE CHARGED FOR TRASH COLLECTION AND MAINTENANCE OF COMMUNITY CLEANLINESS ARE ESTABLISHED IN SFS 1965:54.

EUR
SWEDEN
LR(A)

"STANDARD PROPOSAL WITH COMMENTARY FOR AGREEMENTS BETWEEN MUNICIPALITIES AND TRASH COLLECTION CONTRACTORS." MILJOSKYDDSLAGEN M. FL. FORFATTININGAR SAMT ANVISNINGAR OCH RATTSFALL.
EPA
SWEDISH 12/00/68 PGS 134-144 ID# 00816B
SOLID WASTE

THIS IS THE TEST OF THE 1968 VERSION OF THE PROPOSED STANDARD AGREEMENT TO BE NEGOTIATED BETWEEN MUNICIPALITIES AND PRIVATE CONTRACTORS CONCERNING TRASH COLLECTION. THE CITY IS RESPONSIBLE FOR MAINTAINING CLEANLINESS IN THE COMMUNITY UNDER THE STATUTE OF CLEANLINESS IN THE MUNICIPALITIES, 1970, N. 892. HOWEVER, THIS IS USUALLY ACCOMPLISHED BY PRIVATE CONTRACTORS RATHER THAN A CITY SANITATION DEPARTMENT.

SWEDEN
LR(A)

"GENERAL PUBLIC SAFETY REGULATIONS, 1956." SVERIGES RIKES LAG.
HELLQUIST, C. G., COMP.
EPA
SWEDISH 00/00/72 PGS B1050-55 ID# 00819A
SOLID WASTE

SECTION 3 OF THIS ORDINANCE IS CONCERNED WITH MAINTENANCE OF COMMUNITY CLEANLINESS. THE MUNICIPALITY IS REQUIRED TO MAINTAIN PLACES OPEN TO THE GENERAL PUBLIC WHICH ARE SITUATED WITHIN ITS JURISDICTION. THIS INCLUDES REMOVAL OF SNOW AND ICE, STREET SWEEPING, REMOVAL OF WASTE AND LITTER (INCLUDING SAND PLACED ON ROADS TO PREVENT SKIDDING), CLEANING AND MAINTENANCE OF GUTTERS AND STORM SEWERS, REMOVAL OF WEEDS AND SIMILAR MAINTENANCE PROBLEMS. SPECIFIC PROVISIONS ON RESPONSIBILITY FOR SUCH FUNCTIONS ARE INCLUDED.

SWEDEN
LR(A)

"STATUTE ON PUBLIC ROADS AND HIGHWAYS, 1943." SVERIGES RIKES LAG.
HELLQUIST, C. G., COMP.
EPA
SWEDISH 00/00/72 PGS B454-64 ID# 00820A
SOLID WASTE

SECTION 5 OF THIS STATUTE PROVIDES FOR MAINTENANCE OF CLEANLINESS ALONG PUBLIC ROADS AND HIGHWAYS. THE "OWNER" OF THE ROAD (GENERALLY THE STATE) IS RESPONSIBLE FOR CLEANLINESS OF THE ENTIRE ROAD AREA, INCLUDING PARKING AND REST AREAS. THE "OWNER" OF THE ROAD IS FURTHER RESPONSIBLE FOR MAINTAINING AN AREA OF 25 METERS ALONG THE RIGHT-OF-WAY IF IT IS OPEN TO THE GENERAL PUBLIC.

EUR
SWEDEN
LR(A)

"JUNE 2, 1972 ORDINANCE NO. 280 ON STATE SUPPORT FOR WASTE TREATMENT."
SVENSK FORFATTNINGSSAMLING

EPA
SWEDISH 06/20/72 PGS 1-2 ID# 02761A
ALSO SE
SOLID WASTE

THIS ORDINANCE AUTHORIZES STATE SUPPORT FOR 1) INSTALLATIONS FOR TREATMENT OF WASTES, WITH THE EXCEPTION OF INSTALLATIONS SOLELY FOR RESIDENTIAL WASTES, IF THE INSTALLATION SERVES THE GENERAL PUBLIC WELFARE AND 2) COSTS OF STORAGE OF CHEMICAL OR OTHER ENVIRONMENTALLY DANGEROUS WASTES FOR AN INDEFINITE OR STIPULATED PERIOD OF TIME. TREATMENT IS DEFINED AS CONVERSION, DESTRUCTION OR FINAL DEPOSIT OF WASTES. SUPPORT FOR WASTE TREATMENT ESTABLISHMENTS IS TO TAKE THE FORM OF SUBSIDIES UP TO 50 PERCENT OF COSTS FOR THE INSTALLATION AND RELATED DEVICES. THE SIZE OF THE SUBSIDY IS TO BE BASED ON THE NATURE OF HANDLED WASTES AND THE VALUE OF RECOVERED SUBSTANCES. GRANTS WILL NOT BE MADE TO ESTABLISHMENTS THAT MAY BE CONSIDERED ECONOMICALLY PROFITABLE WITHOUT AID. AID FOR STORAGE OF CHEMICAL OR DANGEROUS WASTES IS TO ASSUME THE FORM OF STATE GUARANTEES FOR EXPERIENCED LOSSES. APPLICATIONS ARE TO BE SUBMITTED TO THE ENVIRONMENT PROTECTION BOARD AND DECISIONS ARE TO BE MADE BY THE GOVERNMENT.

SWEDEN
LR(A)

"DECEMBER 13, 1974 ROYAL ORDINANCE ON SANITATION." SVENSK FORFATTNINGSSAMLING
1974:1024

EPA
SWEDISH 00/00/74 PGS 1-2 ID# 03452A
SOLID WASTE

THIS ORDINANCE, MADE IN PURSUANCE OF THE SANITATION LAW (1970:892), REQUIRES THE LOCAL AUTHORITIES TO CONSIDER HEALTH AND ENVIRONMENTAL ASPECTS WHEN PLANNING THE COLLECTION OF DIRT AND REFUSE. REFUSE, WITH THE EXCEPTION OF VOLUMINOUS WASTE, DISCARDED MEDICINE, AND REMAINDERS OF OIL, CHEMICALS, AND SIMILAR SUBSTANCES, CAN BE PICKED UP AT A PLACE OTHER THAN THE PREMISES WHERE IT ORIGINATED IF: 1) THE COSTS INVOLVED DECREASE IN THIS MANNER, 2) NO ENVIRONMENTAL OR OTHER GENERAL INCONVENIENCE RESULTS AND 3) THE PROPRIETOR HAS AGREED TO MOVE REFUSE FROM HIS PROPERTY TO THE COLLECTION SITE HIMSELF. A PROPERTY OWNER CAN APPLY TO HAVE REFUSE COLLECTED FROM TWO OR THREE CLOSE-BY PROPERTIES IN A JOINT CONTAINER. IF THE PUBLIC HEALTH BOARD HAS GRANTED PERMISSION FOR A PROPRIETOR FOR FINAL DISPOSAL OF WASTE FROM HIS OWN PREMISES, THE LOCAL AUTHORITIES ARE NO LONGER RESPONSIBLE FOR TRANSPORTATION.

EUR
SWEDEN
LR(A)

"THE ACT ON PRODUCTS HAZARDOUS TO HEALTH AND TO THE ENVIRONMENT." THE NEW LEGISLATION WITH A COMMENTARY
SWEDEN. MINISTRIES OF FOREIGN AFFAIRS AND OF AGRICULTURE EPA
ENGLISH 00/00/73 PGS 1-42 ID# 02699A
ALSO LRB
TOXIC SUBS PESTICIDES

THIS BOOKLET PRINTS AN ENGLISH TRANSLATION OF THE TEXTS OF THE 1973 ACT ON PRODUCTS HAZARDOUS TO HEALTH AND TO THE ENVIRONMENT (APPENDIX 1) AND THE PURSUANT 1973 ORDINANCE (APPENDIX 2). THE 23 PAGES OF DISCUSSION CONSIDER THE MAJOR OUTLINES OF THE LAW, PURVIEW OF THE LEGISLATION, PRECAUTIONS AND CONTROL UNDER THE LAW, CONTROL AGENCIES AND PENALTIES. THE ACT IS A FRAMEWORK LAW COVERING PRODUCTS HAZARDOUS BY MEANS OF THEIR CHEMICAL OR SIMILAR PROPERTIES. WHILE THE ORDINANCE CONTAINS MORE DETAILED REGULATIONS ON MANUFACTURE, SALE, HANDLING AND IMPORTING OF SUCH PRODUCTS. THE ORDINANCE CLASSES PRODUCTS AS: 1) POISONS AND OTHER DANGEROUS SUBSTANCES, 2) PCB AND PCB PRODUCTS, 3) PESTICIDES AND 4) OTHER PRODUCTS. ISSUANCE OF REGULATIONS UNDER THIS LEGISLATION IS THE RESPONSIBILITY OF THE PRODUCTS CONTROL BOARD. ENFORCEMENT RESTS WITH THE NATIONAL ENVIRONMENT PROTECTION BOARD AND NATIONAL BOARD OF INDUSTRIAL SAFETY. (THE ACT CANCELS AND SUPERSEDES THE 1962 POISONS ACT, THE 1962 PESTICIDES ACT, AND THE 1971 PCB ACT.)

SWEDEN
LR(B)

ENVIRONMENT PLANNING AND CONSERVATION IN SWEDEN
SWEDISH INFORMATION SERVICE EPA
ENGLISH 06/00/72 PGS 4 ID# 00118A
WATER

RECENT SWEDISH ENVIRONMENTAL LEGISLATION IS HIGHLIGHTED IN THIS PUBLIC INFORMATION BROCHURE. SINCE JANUARY 1, 1972, ALL DUMPING FROM SWEDISH SHIPS AND AIRCRAFT IS PROHIBITED IN TERRITORIAL WATERS AND THE HIGH SEAS. THE LAW ALSO BANS DUMPING BY FOREIGN VESSELS IN SWEDISH TERRITORIAL WATERS, AND IT IS ILLEGAL FOR THEM TO EXPORT WASTES FROM SWEDEN FOR THE PURPOSE OF DUMPING IN THE HIGH SEAS. ANOTHER LAW, EFFECTIVE JUNE 1, 1972, STIPULATES THAT PCB'S AND MATERIALS CONTAINING PCB'S MAY NOT BE MANUFACTURED, SOLD, OR USED WITHOUT LICENSE.

SWEDEN
LR(A)

"1971 MARINE DUMPING PROHIBITION AC\." ENVIRONMENTAL PROTECTION ACT AND MARINE DUMPING PROHIBITION ACT WITH COMMENTARIES.
PERSSON, LENNART, ED. EPA
ENGLISH 00/00/72 PGS 1-85 ID# 00466A
WATER

PART II OF THIS PUBLICATION PROVIDES AN OFFICIAL ENGLISH TRANSLATION OF THE MARINE DUMPING PROHIBITION ACT (1971, CODE 1154) AND A COMMENTARY. IT APPLIES TO SWEDISH AND INTERNATIONAL WATERS AND TO SWEDISH SHIPS IN THE LATTER CASE.

EUR
SWEDEN
LR(A)

WATER CODE OF JUNE 28, 1918, AS AMENDED. SVERIGES RIKES LAG
HELLQUIST, C. G., COMP. EPA
SWEDISH 00/00/72 PGS 401-562 ID# 00545A
WATER

THE WATER CODE OF JUNE 28, 1918, AS AMENDED, PROVIDES FOR REGULATION OF WATER RESOURCES. GENERAL PROVISIONS CONCERN DEFINITION OF PROPERTY RIGHTS TO WATER, REGULATION OF WATER COURSES AND TRANSPORTATION ON WATERWAYS, COMPENSATION FOR LOSSES DUE TO RESTRICTIONS ON USE OF WATER, EXPERT EVALUATION OF SPECIFIC CASES, JURISDICTION OF WATER COURTS AND IMPLEMENTATION OF WATER CODE. CHAPTERS 2, 4, 7 AND 8 DEAL DIRECTLY WITH WATER POLLUTION. CHAPTER 2, ON CONSTRUCTION IN WATER AREAS, WAS AMENDED IN 1964 (SECTIONS 42-48) TO AUTHORIZE ESTABLISHMENT OF PROTECTIVE DISTRICTS FOR CONTROL OF GROUND WATER USE AND TO MAKE LAND OWNERS RESPONSIBLE FOR GROUND WATER. IT WAS FURTHER AMENDED BY SVENSK FORFATTNINGSSAMLING 1972:722. CHAPTER 4, AMENDED BY SFS 1971:788, DEALS WITH REGULATION OF WATER POWER PLANTS. CHAPTER 7, AMENDED BY SFS 1971:1048, AND CHAPTER 8 CONCERN PROTECTION OF SURFACE WATER AND DRAINAGE. RELATED REGULATIONS INCLUDE SFS 1971:1158 ON COMMON WATER & SEWAGE SYSTEMS, & SFS 1971:1154, SFS 1972:275 & 278 ON CONTROL OF WATER POLLUTION BY SHIPS.

SWEDEN
LR(A)

"APR 29,1964 LAW TO AMEND THE WATER CODE." INT. DIG. HLTH. LEG., V. 17.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/66 PGS 155-156 ID# 00545B
WATER

THIS LAW AMENDS THE "JUN 28, 1918 WATER CODE" TO INCLUDE PROVISIONS ON PROTECTION OF UNDERGROUND WATERS FROM POLLUTION. ANY PERSON ENGAGED IN CONSTRUCTION, EXCAVATION, BORING WELLS, BURIAL OF WASTES OR OTHER ACTIVITIES WHICH MAY HAVE A HARMFUL EFFECT ON SUBTERRANEAN WATER RESOURCES MUST TAKE MEASURES TO PREVENT POLLUTION. LOCAL ADMINISTRATIVE AUTHORITIES ARE TO TAKE MEASURES TO PROTECT UNDERGROUND WATERS USED TO SUPPLY DOMESTIC DRINKING WATER. THEY MAY ESTABLISH PROTECTION ZONE AROUND SOURCES OF UNDERGROUND WATER AND ISSUE REGULATIONS APPLICABLE WITHIN THESE AREAS. (OFFICIAL TEXT IS IN SVENSK FORFATTNINGSSAMLING, MAY 20, 1964, PP. 289-294.)

SWEDEN
LR(B)

MEMORANDUM ON NATIONAL REGULATIONS ON DISPOSAL OF WASTE ABOARD SHIPS
EPA
ENGLISH 06/02/72 PGS 1-17 ID# 00939A
WATER

THIS MIMEOGRAPHED PUBLICATION CONSISTS OF A SERIES OF SWEDISH GOVERNMENT DECREES, STANDARDS, LEGISLATIVE STIPULATIONS, AND PRECEDENTS GOVERNING THE POLLUTION OF WATERS BY SHIPBOARD WASTE DISPOSAL. THE FOLLOWING SWEDISH LEGISLATIVE ACTS OR ORDINANCES ARE REFERRED TO OR TRANSCRIBED: "ACT (1972:275) CONCERNING PREVENTION OF WATER POLLUTION FROM SHIPS." ISSUED ON JUNE 2, 1972; AND "ORDINANCE (1972:278) CONCERNING PREVENTION OF WATER POLLUTION FROM SHIPS," ALSO ISSUED ON JUNE 2, 1972. THE ORDINANCE WAS ISSUED IN PURSUANCE OF THE ACT, AND BOTH DEAL MAINLY WITH OIL POLLUTION. THE COMPLETE TERMS AND ARTICLES OF THESE LEGISLATIVE MEASURES ARE GIVEN.

EUR
SWEDEN
LR(A)

"NOV 22, 1965 INSTRUCTIONS ON BACTERIOLOGICAL EXAMINATIONS OF WATER." INT. DIG. HLTH. LEG., V. 21.
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/70 PGS 160-161 EPA ID# 01450A
WATER

THESE INSTRUCTIONS, ISSUED BY THE ROYAL MEDICAL BOARD AND THE ROYAL VETERINARY BOARD UNDER THE "DEC 19, 1958 REGULATIONS ON PUBLIC HEALTH," ESTABLISH PROCEDURES FOR TAKING WATER SAMPLES DETERMINING THEIR BACTERIOLOGICAL CHARACTERISTICS. ANNEX 4 CONTAINS BACTERIOLOGICAL QUALITY STANDARDS FOR VARIOUS PURITY CLASSES OF WATER. (OFFICIAL TEXT IS IN SAMLING AV FORFATTNINGAR OCH M.M. ANGAENDE VETERINARVASENDET, 1966, N. 24, PP. 41-69.)

SWEDEN
LR(A)

"JUNE 2, 1972 ORDINANCE NO. 293 ON STATE SUBSIDY FOR ENVIRONMENT PROTECTION MEASURES IN AGRICULTURAL AND GARDENING ENTERPRISES." SVENSK FORFATTNINGSSAMLING
SWEDISH 06/20/72 PGS 1-2 EPA ID# 02760A
ALSO SE
WATER AIR NOISE

THIS ORDINANCE STIPULATES THAT STATE SUBSIDIES MAY BE GRANTED FOR MEASURES TO REDUCE AIR, WATER OR NOISE POLLUTION IN INSTALLATIONS USED FOR AGRICULTURAL OR GARDENING PURPOSES. THE GRANTS MAY BE USED FOR THOSE MEASURES FOUND ENVIRONMENTALLY NECESSARY BY THE NATIONAL FRANCHISE BOARD, THE STATE ENVIRONMENT PROTECTION BOARD, A COUNTY ADMINISTRATION, OR A MUNICIPAL PUBLIC HEALTH COMMITTEE. THE GRANT MAY EQUAL UP TO 25 PERCENT OF COSTS FOR THE MEASURE, BUT NOT LESS THAN 1,000 SWEDISH KRONOR. SUBSIDIES ARE TO BE GIVEN INSTALLATIONS OR PARTS OF INSTALLATIONS WHICH BEGAN OPERATION PRIOR TO JULY 1, 1972 AND WHICH CAN BE EXPECTED TO CONTINUE OPERATION LONG ENOUGH TO RENDER COSTS JUSTIFIABLE. THE SUCCESSFUL APPLICANT IS TO AGREE TO COMPLETE WORK WITHIN A GIVEN TIME PERIOD, TO OBSERVE STIPULATIONS REGARDING IMPLEMENTATION OF THE WORK MADE BY THE GRANTING AUTHORITY, AND TO ADHERE TO OTHER CONDITIONS SET BY THE AUTHORITY. THE ORDINANCE IS TO REMAIN IN FORCE FROM JULY 1, 1972 TO JUNE 30, 1977. THE AGRICULTURAL BOARD MAY SET FURTHER STIPULATIONS.

SWEDEN
LR(A)

"LAW OF JUNE 2, 1972 CONCERNING THE PREVENTION OF WATER POLLUTION FROM SHIPS."
SVENSK FORFATTNINGSSAMLING 1972: 275
SWEDISH 06/02/72 PGS 1-6 EPA ID# 03347A
WATER

THIS LAW, AMENDED ON DECEMBER 17, 1973, PROHIBITS A SHIP FROM EMPTYING OIL INTO SWEDISH TERRITORIAL WATERS AND REGULATES IN DETAIL THE CIRCUMSTANCES UNDER WHICH OIL CAN BE EMPTIED INTO THE OPEN SEA BY VARIOUS KINDS OF VESSELS. THE SWEDISH PARLIAMENT (RIKSDAG), OR AN AUTHORITY APPOINTED FOR THIS PURPOSE BY THE PARLIAMENT, CAN ALSO SPECIFY RULES GOVERNING A VESSEL'S EQUIPMENT, ETC. SWEDISH OIL-BURNING TANKERS OR OTHER SHIPS WHICH ARE OIL-BURNING AND WEIGH AT LEAST 500 REGISTER TONS, ARE REQUIRED TO KEEP AN OIL DIARY ON BOARD. INSTALLATIONS OR DEVICES MUST BE AVAILABE IN PUBLIC HARBORS TO HANDLE WASTE OIL OR OIL-MIXED FLUID FROM VESSELS. CERTAIN PROHIBITIONS CAN BE PLACED ON A VESSEL'S OPERATION IF OIL OR ANOTHER POLLUTING SUBSTANCE IS EMITTED INTO THE WATER OR IF A CHANCE THEREOF EXISTS. MONITORING OF VESSELS AS WELL AS INVESTIGATION GUIDELINES, IF THE LAW HAS BEEN VIOLATED, ARE DISCUSSED. STIPULATIONS GOVERNING APPEAL OF DECISIONS, ETC. ARE ALSO INCLUDED.

EUR
SWEDEN
PM(8)

DISTRICT HEATING
STOCKHOLM CENTRAL BOARD OF ADMIN.; INFORMA.COMMITTEE EPA
ENGLISH 00/00/72 PGS 24 ID# 00108A
ALSO ST/ALSO MULTILINGUAL
AIR

THE ILLUSTRATED BOOKLET CONTAINS A DETAILED SURVEY OF STOCKHOLM'S REGIONAL HEATING NETWORK. IN THE INNER CITY THE TOTAL HOOKUP TO THE DISTRICT-HEATING GRIDS (OIL-FIRED, STEAM/HOT WATER) HAS INCREASED FOURFOLD DURING 1965-70, SUBSTANTIALLY REDUCING THE EMISSION OF SULPHUR DIOXIDE AND SOOT INTO THE AIR. THE DECLINE OF AIR POLLUTION IS ATTRIBUTED TO THE HIGHER EFFICIENCY OF THE DISTRICT HEATING PLANTS, THEIR USE OF EFFECTIVE COMBUSTION TECHNIQUES AND DUST EXTRACTORS, AND PROGRESS IN REPLACING NUMEROUS ROOFTOP CHIMNEYS WITH A FEW TALL SMOKESTACKS AT KEY FACILITIES.

SWEDEN
PM(8)

ENVIRONMENT PROTECTION: AN EXPANDING TASK FOR SOCIETY
SWEDISH MINISTRY OF AGRIC. & NAT'L ENVIRON.PROTECTION BOARD EPA
ENGLISH 05/00/72 PGS 32 ID# 00110A
ALSO LRB
AIR NOISE PESTICIDES WATER GENERAL

THIS BOOKLET IS INTENDED TO SHOW INTERESTED PARTIES IN OTHER COUNTRIES HOW SWEDEN COUNTERACTS ENVIRONMENTAL DESTRUCTION. AIR AND WATER POLLUTION REDUCTION REFLECTS GOVERNMENT GRANTS TO INDUSTRIES AND MUNICIPALITIES TO BUILD MORE PURIFICATION PLANTS. THE SUCCESSFUL RESTORATION OF TWO POLLUTED LAKES HAS ENCOURAGED FURTHER EXPERIMENTS IN IMPROVING WATER QUALITY. GUIDELINES TO DEAL WITH TRAFFIC NOISE ARE BEING DRAFTED BY THE NATIONAL BOARD OF URBAN PLANNING. THE ROLE OF THE NATIONAL POISONS AND PESTICIDES BOARD IN CONTROLLING THE USE OF DANGEROUS PESTICIDES IS DISCUSSED. AERIAL SPRAYING OF FORESTS WITH PHENOL ACIDS WAS BANNED IN 1972, AND SEED DRESSINGS CONTAINING ALKYL MERCURY ARE NO LONGER PERMITTED.

"ENVIRONMENTAL YEARBOOK," ENVIRON. PLAN. & CONSERV. IN SWEDEN, N. 28
SWEDISH INFORMATION SERVICE EPA
ENGLISH 09/00/72 PGS 6 ID# 00329A
AIR WATER

THIS ISSUE CONTAINS A SELECTION OF INFORMATION FROM THE RECENTLY PUBLISHED NATIONAL ENVIRONMENT PROTECTION BOARD (EPB) 1971 YEARBOOK. IT OFFERS REMARKS ON NEW LEGISLATION, ENVIRONMENT HYGIENE, SULPHUR REDUCTION IN FUELS AND CONTROL OF EMISSIONS, PROBLEMS IN DISSEMINATION OF INFORMATION, AND THE FINANCES OF WATER POLLUTION CONTROL. SOME ATTENTION IS DEVOTED TO CASES OF ACIDIFICATION OF LAKES AND OF POISONING OF FISH BY MERCURY. THERE IS A GRAPH OF THE INCREASE IN THE NUMBER OF SEWAGE TREATMENT PLANTS, AND A MAP OF THE 1970 SURVEY OF SULPHUR EMISSION.

EUR
SWEDEN
PM(A)

BURNING OF FOSSIL OIL FOR HEATING PURPOSES. STATENS NATURVARDSVERK, 1969
PERSON, GORAN,BENGT WESTERGARD & ULF HOGSTROM EPA
SWEDISH 00/00/69 PGS 1-32 ID# 00524A
AIR

THE SWEDISH NATIONAL ENVIRONMENT PROTECTION BOARD (STATENS NATURVARDSVERK) EXPRESSES STRONG PREFERENCE FOR CENTRAL HEATING PLANTS IN BUILT-UP AREAS AS THE MOST EFFECTIVE MEANS OF CONTROLLING POLLUTION THOUGH SLIGHTLY MORE EXPENSIVE THAN INDIVIDUAL HEATING UNITS. WHEN CENTRAL HEATING PLANTS ARE NOT FEASIBLE, THE BOARD RECOMMENDS USING CLEANER HEATING METHODS SUCH AS GAS AND ELECTRICITY, WHICH THOUGH INITIALLY MORE EXPENSIVE THAN OIL, COST LESS IN THE LONG RUN DUE TO REDUCED DAMAGE FROM SULPHUR DIOXIDE CORROSION.
REPORT INCLUDES TEXT OF CITY HEALTH ORDINANCES FOR STOCKHOLM AND GOTEBORG WHICH SET MAXIMUM SULPHUR CONTENT IN HEATING OILS AT ONE PERCENT.

SWEDEN
PM(B)

AIR POLLUTION PROBLEMS AT STATIONARY SOURCES IN SWEDEN. (PUB. 1971:10E)
NATIONAL SWEDISH ENVIRONMENT PROTECTION BOARD EPA
ENGLISH 00/00/71 PGS 1-240 ID# 01921A
AIR

THIS REPORT RESULTS FROM A SERIES OF INVESTIGATIONS, UNDERTAKEN BY THE NATIONAL ENVIRONMENT PROTECTION BOARD OF SWEDEN IN COLLABORATION WITH VARIOUS INDUSTRIAL ORGANIZATIONS. THESE INVESTIGATIONS, DESIGNED TO PROVIDE A SURVEY OF AIR POLLUTION PROBLEMS AND TO EVALUATE VARIOUS TECHNICAL EMISSION REDUCING METHODS, SERVE AS A BASIS FOR THE RECOMMENDATIONS CONTAINED IN THIS PUBLICATION. THE RECOMMENDATIONS, WHICH COVER BOTH NEW AND EXISTING INSTALLATIONS, APPLY TO THE FOLLOWING AREAS: THE IRON AND STEEL INDUSTRY; THE FERRO-ALLOY INDUSTRY; THE FOUNDRY INDUSTRY; THE CEMENT INDUSTRY; HOT-MIX ASPHALT PAVING PLANTS; THE WOOD PULP INDUSTRY; THE INORGANIC CHEMICAL INDUSTRY; OIL HEATED POWER PLANTS; AND INCINERATORS. FOR MOST TYPES OF INSTALLATIONS, THE REPORT CONSIDERS MANUFACTURING METHODS AND PROCESSES, AIR POLLUTION PROBLEMS METHODS FOR REDUCING EMISSIONS, AND COSTS OF EMISSION REDUCING OPERATIONS. FOR MANY AREAS RECOMMENDATIONS INCLUDE NOT ONLY GENERAL DIRECTIONS BUT EMISSION LIMITS AND CONSTRUCTIONAL REQUIREMENTS AS WELL.

SWEDEN
PM(B)

MILJOVARDSPROBLEM VID PETROLEUMINDUSTRI (ENVIRONMENTAL PROBLEMS IN THE PETROLEUM INDUSTRY). PUB. 1972:12
NATIONAL SWEDISH ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 00/00/72 PGS 1-167 ID# 01975A
SUMMARY IN ENGLISH
AIR WATER NOISE

THIS PUBLICATION, ONE OF SEVERAL DEALING WITH POLLUTION PROBLEMS IN DIFFERENT BRANCHES OF INDUSTRY, RESULTS FROM AN INVESTIGATION CARRIED OUT BY A COMMITTEE COMPOSED OF MEMBERS FROM THE SWEDISH PETROLEUM-REFINING INDUSTRY AND THE ENVIRONMENT PROTECTION BOARD. IT REVIEWS THE PRESENT SITUATION IN THE PETROLEUM INDUSTRY, CONSIDERING POLLUTION CAUSED BOTH BY EMISSIONS FROM REFINERY PROCESSES AS WELL AS BY WASTE WATER EFFLUENTS. PRESENT METHODS OF DEALING WITH BOTH WATER AND AIR POLLUTION PROBLEMS ARE THEN CONSIDERED AS WELL AS POSSIBLE WAYS OF FURTHER IMPROVING THE SITUATION WITH REGARD TO BOTH FORMS OF POLLUTION. THE FINAL SECTION EXTENDS THE DISCUSSION TO NOISE PROBLEMS IN THE PETROLEUM INDUSTRY.

EUR
SWEDEN
PM(B)

"GUIDELINES FOR AIR PROTECTION." STATENS NATURVARDSVERK PUBLIKATION 1973:8
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 00/00/73 PGS 1-47 ID# 02742A
AIR

THESE EMISSION GUIDELINES REVISE AND EXPAND EARLIER ONES DEVELOPED IN 1969 BY BRANCHES OF INDUSTRY AND THE NATIONAL ENVIRONMENT PROTECTION BOARD. THEY ARE BASED ON WHAT IS TECHNICALLY POSSIBLE AND ECONOMICALLY REASONABLE. THE GUIDELINES GIVE GENERAL DIRECTIVES PLUS INSTRUCTIONS FOR VARIOUS TYPES OF INDUSTRY. THEY ARE NOT LEGALLY BINDING AS SUCH, BUT ARE TO: 1) FACILITATE EXAMINATION OF INDIVIDUAL NEW INSTALLATIONS, 2) AID EXISTING INSTALLATIONS IN PLANNING, AND 3) STIMULATE TECHNICAL DEVELOPMENT. SPECIAL CIRCUMSTANCES MAY BE CONSIDERED IN GRANTING OPERATING PERMISSION TO A GIVEN ENDEAVOR. EMISSION CONTROL EQUIPMENT SHOULD BE ABLE TO MEET STANDARDS FOR THE LIFE OF A FACILITY IN ALL CIRCUMSTANCES. TWO APPENDIXES CONTAIN 1) INSTRUCTIONS FOR CHIMNEY HEIGHT CALCULATION TO LIMIT SULFUR DIOXIDE EMISSIONS AND 2) GENERAL INSTRUCTIONS FOR MEASURING AND EVALUATING EMISSIONS. GUIDELINES ARE INCLUDED FOR IRON, STEEL AND OTHER METALWORKING PLANTS, VARIOUS STONE WORKS, PETROLEUM REFINERIES, CHEMICAL FACTORIES, POWER PLANTS AND INCINERATORS.

SWEDEN
PM(B)

"INSTRUCTIONS FOR THE CONTROL OF ENVIRONMENTALLY HARMFUL PROCESSES IN ASPHALT PLANTS." STATENS NATURVARDSVERK PUBLIKATION 1974:5
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 01/00/74 PGS 1-70 ID# 02799A
AIR WATER NOISE SOLID WASTE

THIS PUBLICATION PRESENTS INSTRUCTIONS FOR INTERNAL CONTROL AND SUPERVISION OF POLLUTION IN ASPHALT PLANTS AS WELL AS FOR MONITORING AND INSPECTION BY THE AUTHORITIES. CONTROL, MONITORING, AND INSPECTION OF SOURCES OF AIR POLLUTION ARE TREATED AT SOME LENGTH. AS PROBLEMS OF WATER POLLUTION, NOISE DISTURBANCE, AND WASTE REMOVAL ARE NOT MAJOR, MONITORING PROGRAMS ARE TO BE DEVELOPED ON A CASE-BY-CASE BASIS BY MANAGEMENT AND AUTHORITIES. RATHER EXTENSIVE APPENDIXES INCLUDE: 1) A BRIEF DESCRIPTION OF THE ASPHALT PRODUCTION PROCESS AND DUST PRECIPITATORS, 2) METHODS FOR MEASUREMENT OF PARTICULAR EMISSIONS, AND 3) GUIDELINES FOR DETERMINATION OF ACCEPTABLE NOISE LEVELS.

SWEDEN
PM(B)

"FOUNDRIES. FOLLOW-UP OF STATE GRANTS FOR POLLUTION CONTROL MEASURES IN INDUSTRY." STATENS NATURVARDSVERK PUBLIKATION 1974:4
EPA
SWEDISH 00/00/74 PGS 1-63 ID# 02810A
ALSO SE
AIR

THIS PUBLICATION REVIEWS AIR POLLUTION ABATEMENT EFFORTS IN FOUNDRIES SINCE STATE GRANTS FOR POLLUTION CONTROL IN INDUSTRY WERE MADE AVAILABLE IN 1969. GRANTS HAVE BEEN OBTAINED BY 40 FOUNDRIES. OF THOSE, APPROXIMATELY 30 HAVE INSTALLED CLEANING EQUIPMENT IN CUPOLA FURNACES AND ABOUT 25 HAVE PUT IN EQUIPMENT FOR AIR PURIFICATION IN OTHER DEPARTMENTS SUCH AS SAND PREPARATION AND CLEANING AND FINISHING. TOTAL INVESTMENTS FOR POLLUTION CONTROL IN FOUNDRIES RECEIVING GRANTS AMOUNTED TO ABOUT 18.5 MILLION SWEDISH KRONOR, OF WHICH 9.5 MILLION CAME FROM THE STATE. SUBSEQUENT MEASUREMENTS INDICATE A REDUCTION IN PARTICULATE EMISSIONS FROM CUPOLA FURNACES OF ABOUT 80 PERCENT AND FROM OTHER FOUNDRY DEPARTMENTS OF ABOUT 90 PERCENT. TOTAL REDUCTION IN EMISSIONS WITH DUST COLLECTORS IS ABOUT 2300 TONS PER YEAR. THE BOOK CONTAINS AN INITIAL SUMMARY IN ENGLISH AND SWEDISH AS WELL AS NUMEROUS DIAGRAMS OF DUST COLLECTORS AND OTHER CLEANING EQUIPMENT. THERE ARE ALSO TABLES DETAILING EMISSIONS REDUCTIONS WITH VARIOUS TYPES OF EQUIPMENT.

EUR
SWEDEN
PM(B)

"ENVIRONMENTAL PROBLEMS IN (STONE) CRUSHING INSTALLATIONS." STATENS NATURVARDSVERK PUBLIKATION 1972:11
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 05/00/75 PGS 1-90 ID# 03030A
ALSO SE
AIR NOISE

THIS PUBLICATION IS BASED ON THE WORK OF A COMMITTEE FORMED IN 1970 TO STUDY AIR AND NOISE POLLUTION PROBLEMS IN THE (STONE) CRUSHING INDUSTRY. THE COMMITTEE, ESTABLISHED BY THE SWEDISH NATIONAL ENVIRONMENT PROTECTION BOARD TOGETHER WITH THE SWEDISH BUILDERS' ASSOCIATION AND THE GRAVEL AND MACADAM ASSOCIATION, REPORTED ON THE TECHNICAL POSSIBILITIES OF REDUCING POLLUTION AND THE ECONOMIC CONSEQUENCES OF SUCH MEASURES. ONLY THOSE MEASURES ALSO ACCEPTABLE FROM AN INDUSTRIAL HYGIENE POINT OF VIEW WERE CONSIDERED IN MORE DEPTH. CHAPTERS OF THE CURRENT PUBLICATION PRESENT: 1) AN INTRODUCTION TO THE CRUSHING INDUSTRY, 2) A DESCRIPTION OF THE VARIOUS PROCESSES INVOLVED, 3) A REVIEW OF DUST PROBLEMS IN CRUSHING WORKS, 4) INDUSTRIAL HYGIENE ASPECTS OF DUST PROBLEMS, 5) MEASURES TO REDUCE DUST, 6) MEASURES TO COMBAT NOISE, AND 7) COSTS OF DUST REDUCTION IN CRUSHING PLANTS. ILLUSTRATIONS, CHARTS, AND A BIBLIOGRAPHY ACCOMPANY THE TEXT.

SWEDEN
PM(B)

"AIR PROTECTION PROBLEMS IN THE REMELTING OF NON-FERROUS METALS." STATENS NATURVARDSVERK PUBLIKATION 1972:8
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 05/00/72 PGS 1-59 ID# 03032A
AIR

THIS PUBLICATION CONTAINS RESULTS OF A STUDY OF AIR POLLUTION PROBLEMS IN INDUSTRIES INVOLVED IN THE REMELTING OF NON-FERROUS METALS. GOALS OF THE STUDY, WHICH WAS AUTHORIZED BY THE SWEDISH NATIONAL ENVIRONMENT PROTECTION BOARD, WERE: A) TO DETERMINE WHICH INSTALLATIONS IN THE COUNTRY WERE ENGAGED IN THIS ACTIVITY AND WHICH METAL ALLOYS WERE PRODUCED, B) TO STUDY THE EMISSIONS ORIGINATING IN PRODUCTION TOGETHER WITH THE CONDITIONS THAT COULD AFFECT THE STRENGTH OF THE EMISSIONS, AND C) TO INVESTIGATE MEANS OF LIMITING EMISSIONS. SECTIONS OF THE PUBLICATION SURVEY THE INDUSTRY IN GENERAL, THE PARTICULAR METALS AND METAL ALLOYS PRODUCED, THE RAW MATERIALS INVOLVED, AND THE PRETREATMENT OF INITIAL MATERIALS. THE REMELTING PROCESS ITSELF IS EXAMINED TOGETHER WITH TYPES OF FURNACES USED. EMISSIONS FROM THE PRODUCTION OF NON-FERROUS METALS ARE DESCRIBED AND PURIFICATION EQUIPMENT DISCUSSED. A FINAL SECTION DESCRIBES THE RESULTS OF SOME EMISSIONS MEASURING PROGRAMS.

EUR
SWEDEN
PM(B)

"INSTRUCTIONS FOR MONITORING ENVIRONMENTALLY DANGEROUS ACTIVITY IN INDUSTRIES MANUFACTURING CEMENT...AND LIGHT CLINKERS." STATENS NATURVARDSVERK PUBLIKATION 1973:12
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 10/00/73 PGS 1-71 ID# 03042A
AIR WATER NOISE SOLID WASTE

THESE "INSTRUCTIONS FOR MONITORING ENVIRONMENTALLY DANGEROUS ACTIVITY IN INDUSTRIES MANUFACTURING CEMENT, LIME, LIGHT-WEIGHT CONCRETE, CHALK, GYPSUM AND LIGHT CLINKERS" CONTAIN INSTRUCTIONS FOR FIRMS AND AUTHORITIES ESTABLISHING MONITORING PROGRAMS IN CONFORMANCE WITH THE 1969 ENVIRONMENT PROTECTION ACT AND ORDINANCE. ACCORDING TO LAW, SUPERVISION AND MONITORING ENTAIL OPERATIONAL CONTROL, ROUTINE EXAMINATION AND INSPECTION; THEREFORE, MONITORING PROGRAMS SHOULD INCLUDE PARAMETER VALUES, SAMPLING POINTS, A MEASURING AND SAMPLING SCHEDULE, AND PROVISION FOR RECORD-KEEPING AND REPORTING TO THE AUTHORITIES. SECTIONS OF THE PUBLICATION PRESENT DETAILED SUGGESTIONS FOR AIR, WATER, NOISE AND SOLID WASTE PROGRAMS. APPENDIXES DEAL WITH: 1) MEASURING AIR POLLUTION, 2) NOISE AND SUPERVISION PURSUANT TO THE ENVIRONMENT PROTECTION ACT, 3) EXAMPLES OF PREVENTIVE MAINTENANCE FOR PRECIPITATORS, AND 4) SAMPLES OF FORMS FOR A FIRM'S REPORTING TO THE AUTHORITIES.

SWEDEN
PM(B)

SWEDISH EXPERIENCE OF LEGISLATION IN CONNECTION WITH ENVIRONMENT PROTECTION AT ANIMAL PRODUCTION
BERGLUND, SVEN EPA
ENGLISH PGS 1-17 ID# 03082A
PROBABLY 1975
AIR WATER

AFTER A PAGE OF INTRODUCTORY TEXT, THIS PAMPHLET PROVIDES 24 GRAPHS, CHARTS AND TABLES ILLUSTRATING THE SITUATION IN SWEDEN IN REGARD TO ANIMAL PRODUCTION AND ENVIRONMENTAL PROTECTION. IT IS REPORTED THAT COOPERATION BETWEEN AUTHORITIES, LOCAL AGRICULTURAL ADVISERS, AND FARMERS' UNIONS HAS BEEN GOOD, AND FARMERS HAVE USUALLY ACCEPTED SMALL STEPS TO IMPROVE THE ENVIRONMENT. THE LEGISLATION HAS CAUSED LITTLE DIFFICULTY FOR LARGER FARMERS, WHO QUALIFY FOR STATE LOANS, BUT HAS BEEN HARDER ON SMALLER FARMERS. THE TABLES SHOW: TYPES OF AIR AND WATER POLLUTION FROM AGRICULTURE; GENERAL INFORMATION ON SWEDISH AGRICULTURE AND THE SIZE OF HOLDINGS; LABORATORY REPORTS ON ODOR FROM ANIMAL HOLDING FACILITIES AND MANURE SPREADING WITH VARIOUS TREATMENTS; FACTS ABOUT THE USE OF VARIOUS NATURAL AND CHEMICAL FERTILIZERS; SWEAGE TREATMENT FOR THE PERIOD 1965-1980; SUMMARY OF ENVIRONMENTAL LEGISLATION AFFECTING ANIMAL HUSBANDRY; AND MAJOR POINTS OF THE GUIDELINES FOR ENVIRONMENT PROTECTION IN ANIMAL PRODUCTION FACILITIES ISSUED IN 1973.

EUR
SWEDEN
PM(B)

"AIR POLLUTION CONNECTED WITH THE MANUFACTURING OF INORGANIC CHEMICALS."
STATENS NATURVARDSVERK 1969:4

SWEDISH 04/00/69 PGS 1-66 EPA ID# 03194A
ALSO ST
AIR

THIS BOOKLET DEALS WITH AIR POLLUTION PROBLEMS IN CONNECTION WITH THE MANUFACTURING OF BASIC INORGANIC CHEMICALS SUCH AS SULFURIC ACID, HYDROCHLORIC ACID, PHOSPHORIC ACID, AMMONIA, NITRIC ACID, CHLORINE, AND SODIUM HYDROXIDE. THE REPORT CONTAINS A SHORT SUMMARY OF THE INORGANIC CHEMICAL INDUSTRY IN SWEDEN. FOR EACH CHEMICAL, VARIOUS TECHNICAL METHODS OF PRODUCTION ARE DISCUSSED AS WELL AS EFFORTS TO REDUCE EMISSIONS AND THE ECONOMIC CONSEQUENCES OF THESE METHODS. NUMEROUS CHEMICAL CHARTS AND TABLES ARE INCLUDED. THE PURPOSE OF THE SURVEY IS TO SUPPLY INFORMATION TO THE SWEDISH AUTHORITIES DEALING WITH AIR POLLUTION CONTROL.

SWEDEN
PM(B)

"AIR PROTECTION PROBLEMS AT FUEL-OIL FIRED POWER PLANTS." STATENS NATURVARDSVERK PUBLIKATIONER 1970:5

SWEDISH 05/00/70 PGS 1-87 EPA ID# 03229A
ALSO ST
AIR NOISE

THIS REPORT, WHICH DEALS WITH AIR POLLUTION FROM FUEL-OIL FIRED POWER PLANTS, CONTAINS A SURVEY OF PRESENT CONDITIONS, AN ANALYSIS OF VARIOUS TECHNICAL METHODS FOR REDUCING EMISSIONS (THE MOST SERIOUS POLLUTANT BEING SULFUR DIOXIDE) AND A DISCUSSION OF THE ECONOMIC CONSEQUENCES OF THESE METHODS. CHAPTERS DISCUSS: BACKGROUND; PRODUCTION STATISTICS; THE GEOGRAPHIC DISTRIBUTION OF POWER PLANTS; FUTURE STRUCTURE AND PRODUCTION DEVELOPMENT; THE CHEMICAL COMPOSITION OF THE ATMOSPHERE; GASEOUS EMISSIONS OF AIR POLLUTANTS AND EMISSIONS OF DUST; IMMISSION STANDARDS AROUND POWER PLANTS; CAUSES OF AIR POLLUTION DISPERSION; EXPENSES FOR LIMITING SULFUR DIOXIDE EMISSIONS; METHODS AND EXPENSES INVOLVED IN DUST SEPARATION; AND NOISE FROM POWER PLANTS. THE REPORT, WHICH IS THE RESULT OF RESEARCH BY A COMMITTEE APPOINTED BY THE NATIONAL ENVIRONMENTAL PROTECTION BOARD, CONTAINS NUMEROUS TABLES AND DIAGRAMS AS WELL AS A SUMMARY IN ENGLISH.

EUR
SWEDEN
PM(B)

"AIR POLLUTION FROM LOCAL HEATING." STATENS NATURVARDSVERK PUBLIKATIONER 1969:2

SWEDISH 00/00/69 PGS 1-32 EPA ID# 03249A
ALSO ST
AIR

THIS REPORT IS BASED ON A STUDY CONDUCTED BY THE ENVIRONMENTAL PROTECTION BOARD TO EVALUATE THE TYPES OF HEATING SYSTEMS USED IN AREAS WITH MORE THAN 15,000 INHABITANTS. THE USE OF OIL, ELECTRICITY, AND SOLID FUEL WAS STUDIED BY THE AIR PROTECTION SECTIONS OF THE COUNTY COUNCILS WITH THE ASSISTANCE OF LOCAL AUTHORITIES. VIEWS ON CHOICE OF A HEATING SYSTEM, ADVANTAGES OF DISTRICT HEATING FROM AN AIR PROTECTION POINT OF VIEW, EFFECTS OF SULFUR DIOXIDE AND SOOT FROM LOCAL HEATING SYSTEMS AND WAYS OF DIMINISHING SULFUR DIOXIDE ARE DISCUSSED. A LIST OF DENSELY POPULATED PLACES INVOLVED IN THE STUDY, AN ACCOUNT OF THE PRESENT DISTRICT HEATING SITUATION WITH A PROGNOSIS UNTIL 1978, AS WELL AS RESULTS FROM SOOT AND SULFUR DIOXIDE MEASURINGS IN SWEDEN ARE APPENDED. LOCAL HEALTH RULES RELATED TO OIL-FUELED HEATING PLANTS IN STOCKHOLM AND SUGGESTED GUIDELINES FOR THE LOCAL HEALTH SERVICE LAW IN GOTHENBURG ARE ALSO INCLUDED.

SWEDEN
PM(B)

"AIR POLLUTION PROBLEMS IN THE LUMBER INDUSTRY." STATENS NATURVARDSVERK PUBLIKATIONER 1969:3

SWEDISH 00/00/69 PGS 1-246 EPA ID# 03250A
ALSO ST
AIR

THIS REPORT IS BASED ON RESEARCH DONE BY A COOPERATIVE WORKING GROUP FROM THE ENVIRONMENTAL PROTECTION BOARD AND THE SWEDISH CELLULOSE AND PAPER-MILL SOCIETY. ITS AIM WAS TO SURVEY THE KIND AND AMOUNT OF AIR POLLUTION CAUSED BY THE FOREST INDUSTRY TO DETERMINE WHICH ACCESSIBLE TECHNIQUES COULD BE APPLIED TO HELP REDUCE EMISSIONS AND TO ESTIMATE THE COSTS INVOLVED. THE SURVEY STUDIED THE RELATIONSHIPS BETWEEN EMISSIONS CAUSED BY THE INDUSTRY AND IMMISSIONS IN THE ENVIRONMENT ONLY IN GENERAL TERMS. THE VARIOUS CHAPTERS DISCUSS: THE STRUCTURE OF FOREST PRODUCTION (A MAP OF THE PULP INDUSTRY IS INCLUDED); THE SULFATE AND SULFITE PROCESSES FOR PULP PRODUCTION; THE MAPPING OF CURRENT EMISSIONS; TECHNICAL AND ECONOMIC ANALYSIS OF AIR PROTECTION MEASURES; AND IMMISSION AND EMISSION LIMITS. MANY CHARTS AND TABLES ARE INCLUDED. SEVERAL SUPPLEMENTS ANALYZE SPECIFIC CASES AND GIVE EXAMPLES FROM SPECIFIC STUDIES AND TESTS.

EUR
SWEDEN
PM(B)

"AIR PROTECTION PROBLEMS IN WASTE INCINERATION." STATENS NATURVARDSVERK PUBLIKATIONER 1969:6

SWEDISH
ALSO ST
AIR

00/00/69 PGS 1-98 EPA ID# 03251A

THIS REPORT DEALS WITH METHODS TO SOLVE VARIOUS POLLUTION PROBLEMS IN CONNECTION WITH INCINERATION, INCLUDING ACID EMISSIONS, AS WELL AS THE ECONOMIC IMPLICATIONS OF THESE METHODS. IT IS POINTED OUT THAT "TIPPING AND LAND FILLING" ARE STILL THE USUAL SWEDISH METHODS FOR DEALING WITH SOLID WASTE DISPOSAL, INCINERATION BEING USED MAINLY IN URBAN AREAS. INCINERATION IS, HOWEVER, EXPECTED TO INCREASE IN USAGE ACROSS THE COUNTRY, AND SYSTEMATIC INVESTIGATIONS OF THE SITUATION ARE BEING MADE. THE MATERIAL IS ALSO PRESENTED IN GRAPHIC AND TABULAR FORM AND THE REPORT IS SUMMARIZED IN ENGLISH.

SWEDEN
PM(B)

"AIR PROTECTION PROBLEMS IN THE IRON, STEEL, AND FERROALLOY INDUSTRY." STATENS NATURVARDSVERK PUBLIKATIONER 1969:8

SWEDISH
ALSO ST
AIR

08/00/69 PGS 1-126 EPA ID# 03253A

THE PURPOSE OF THIS SURVEY IS TO SUPPLY INFORMATION TO THE SWEDISH AUTHORITIES DEALING WITH AIR POLLUTION CONTROL. A SHORT SUMMARY OF THE DEVELOPMENT OF THE STEEL AND IRON INDUSTRIES IN SWEDEN, A MAP OF THEIR LOCATION, AND A DESCRIPTION OF VARIOUS MANUFACTURING METHODS ARE INCLUDED. THE AIR POLLUTION PROBLEMS IN THE INDUSTRY ARE STATED, ACCOMPANIED BY A SURVEY OF PRESENT CONDITIONS, VARIOUS TECHNICAL METHODS TO REDUCE THE EMISSIONS ARE ANALYZED, AND THE ECONOMIC CONSEQUENCES OF THESE METHODS ARE DISCUSSED. EMISSIONS ARE ESTIMATED AT ABOUT 48,000 TONS OF DUST AND 42,000 TONS OF SULFUR DIOXIDE PER YEAR, OR 8.3 KG DUST AND 6.8 KG SULFUR DIOXIDE PER TON PRODUCT. AIR POLLUTION IS EXPECTED TO INCREASE DUE TO THE USE OF OXYGEN, WHICH WILL ALSO DECREASE THE SIZE OF PARTICULATE MATTER, AND THIS FACTOR MUST BE TAKEN INTO CONSIDERATION WHEN SELECTING CONTROL EQUIPMENT. A SUMMARY IN ENGLISH IS INCLUDED.

EUR
SWEDEN
PM(B)

"AIR PROTECTION AT EXISTING HEATING INSTALLATIONS." STATENS NATURVARDSVERK PUBLIKATIONER 1971:8
EPA
SWEDISH 08/00/71 PGS 1-63 ID# 03255A
ALSO ST
AIR NOISE

THIS PAMPHLET GIVES TECHNICAL AND ECONOMIC INFORMATION CONCERNING AIR PROTECTION AT EXISTING FUEL OIL OPERATED HEATING INSTALLATIONS WITH A COMBUSTION EFFECT OF LESS THAN 50 MW. DIFFERENT KINDS OF OILS USED ARE DISCUSSED AS WELL AS FURNACE EQUIPMENT, AND PROBLEMS CONNECTED WITH SOOT, FUME CLEANING, AND CHIMNEYS. THE NOISE POLLUTION FACTOR IS ALSO TOUCHED UPON.

SWEDEN
PM(B)

"AIR PROTECTION PROBLEMS IN THE PRODUCTION OF CEMENT, LIME, LIGHTWEIGHT CONCRETE, CHALK, AND PLASTER PRODUCTS." STATENS NATURVARDSVERK PUBLIKATIONER 1971:9
EPA
SWEDISH 00/00/71 PGS 1-135 ID# 03256A
ALSO ST
AIR

THE HISTORY AND CURRENT STATUS OF THE CEMENT, LIME, LIGHTWEIGHT CONCRETE, CHALK, AND PLASTER INDUSTRIES IN SWEDEN ARE DESCRIBED IN THIS BOOKLET. FOR EACH SUBSTANCE A DETAILED STUDY OF PRODUCTION METHODS IS PRESENTED IN TECHNICAL TERMS AND WITH NUMEROUS CHARTS AND DIAGRAMS. EMISSION PROBLEMS ARE EXPLAINED, AND A SURVEY OF VARIOUS FILTER SYSTEMS TO CONTROL DUST EMISSIONS AND IMMISSIONS IS APPENDED AS WELL AS A SURVEY OF FOREIGN NORMS FOR DUST EMISSIONS AND IMMISSIONS. DIFFERENT WAYS TO MEASURE DUST, AND INDICATIONS OF THE DUST CONCENTRATIONS. SINCE THE NATURE OF THE POLLUTION PROBLEM IN MANUFACTURING THESE SUBSTANCES IS SIMILAR, THEY HAVE BEEN STUDIED TOGETHER BY TWO COMMITTEES APPOINTED BY THE NATIONAL ENVIRONMENTAL PROTECTION BOARD.

SWEDEN
PM(A)

ENVIRONMENT PROTECTION IN SWEDEN
THE SWEDISH ENVIRONMENT PROTECTION BOARD
EPA
ENGLISH 05/00/72 PGS 22 ID# 00128A
ALSO LRB
GENERAL

THE REPORT PROVIDES A RESUME OF LEGISLATION, ADMINISTRATION, RESEARCH, AND GRANTS AIMED AT ENVIRONMENTAL PROTECTION. A RESEARCH COMMITTEE WITHIN THE NATIONAL ENVIRONMENT PROTECTION BOARD COORDINATES RESEARCH IN ENVIRONMENT PROTECTION AND NATURE CONSERVANCY. COOPERATING TECHNOLOGICAL RESEARCH COUNCILS, BOARDS, AND INSTITUTES ARE LISTED. THE SWEDISH DEVELOPMENT COMPANY HAS THE MISSION TO DEVELOP, MANUFACTURE, AND MARKET NEW PRODUCTS, METHODS, AND SYSTEMS DIRECTED TOWARD THE PREVENTION OF AIR AND WATER POLLUTION.

EUR
SWEDEN
PM(A)

"A COUNTRY IN THE PLANNING." SWEDEN NOW, V. 6, N. 3
LINK, RUTH
ENGLISH 06/00/72 PGS 28-35 LOC ID# 00173A
GENERAL

THE SCOPE OF THE MINISTRY OF PHYSICAL PLANNING'S SURVEY REPORT ON THE MANAGEMENT OF LAND AND WATER RESOURCES IS OUTLINED. THE ARTICLE ALSO PUBLICIZES THE MINISTRY'S INVITATION TO MUNICIPALITIES, ORGANIZATIONS, EXPERTS, AND ORDINARY CITIZENS TO EXAMINE THE REPORT'S PROPOSALS AND PRESENT THEIR COMMENTS AND SUGGESTIONS ON THE QUESTION: "HOW DO YOU THINK WE SHOULD USE SWEDEN?".

SWEDEN
PM(A)

"REPORT ON NATIONAL PHYSICAL PLANNING." ENVIRON PLAN & CONSERV IN SWEDEN, N. 23
SWEDISH INFORMATION SERVICE
ENGLISH 03/00/72 PGS 6 EPA ID# 00351A
GENERAL

THE ISSUE PRESENTS SOME OF THE MATERIAL IN A REPORT ON PHYSICAL PLANNING BY THE SWEDISH MINISTRY OF PHYSICAL PLANNING AND LOCAL GOVERNMENT (DEC 1971). REMARKS ARE MADE ON THE PROBLEMS OF OIL TRANSPORT AND OIL POLLUTION, ON THE PROBLEM OF CONSERVATION OF NATURAL RESOURCES IN THE FACE OF POLLUTION, AND ON THE USE OF LAND FOR RECREATION OR INDUSTRY. THREE MAPS INCLUDED IN THE ISSUE GIVE SOME OF THE VERY GENERAL LONG-TERM RECOMMENDATIONS OF THE MINISTRY, AND THERE IS ALSO SOME MENTION MADE OF LEGISLATION NEEDED.

SWEDEN
PM(A)

"RESEARCH/EDUCATION CENTERS." ENVIRON PLAN & CONSERV IN SWEDEN, N. 30
SWEDISH INFORMATION SERVICE
ENGLISH 11/00/72 PGS 5 EPA ID# 00352A
GENERAL

THIS ISSUE PRESENTS SOME OF THE DIFFERENT PROGRAMS SET UP BY GOVERNMENT AGENCIES AND UNIVERSITIES. NO ATTEMPT HAS BEEN MADE TO LIST ALL. THE FIRST TOPIC IS THE RESEARCH COMMITTEE OF THE ENVIRONMENT PROTECTION BOARD WHICH HAS SET UP EIGHT EXPERT GROUPS ON VARIOUS ASPECTS OF THE ENVIRONMENT. OTHER GROUPS ARE THE ENVIRONMENT STUDIES PROGRAM OF THE UNIVERSITY OF LUND WHICH DOES NO RESEARCH OF ITS OWN; THE CENTER FOR ENVIRONMENTAL SCIENCES WHICH IS LARGELY CONCERNED WITH RESEARCH COORDINATION AND INFORMATION; AND THE ROYAL COLLEGE OF AGRICULTURE WHICH IS CONCERNED WITH PROBLEMS SUCH AS PESTICIDES AND WATER POLLUTION. A GRAPH OF DISTRIBUTION OF GRANTS IS ATTACHED.

EUR
SWEDEN
PM(A)

SWEDEN'S REPLY (AND APPENDIX) TO THE UNITED NATIONS ENQUIRY IN CONNECTION WITH PREPARATIONS FOR THE UNITED NATIONS CONFERENCE ON THE HUMAN ENVIRONMENT.
SWEDEN ROYAL MINISTRY OF FOREIGN AFFAIRS EPA
ENGLISH 00/00/70 PGS 1-48 ID# 00465A
ALSO LRB/ALSO SE
GENERAL

THE PUBLICATION CONTAINS SWEDEN'S REPLY TO A UN REQUEST FOR GUIDELINES USEFUL IN PREPARING FOR THE 1972 UN ENVIRONMENT CONFERENCE AND AN ANNEX DISCUSSING SWEDEN'S ENVIRONMENTAL PROBLEMS AND COUNTERMEASURES. THE MORE LENGTHY ANNEX ENUMERATES TYPES OF ENVIRONMENTAL ABUSE, INCLUDING WATER, AIR, POISONS AND NOISE, AND SWEDISH COUNTERMEASURES. THESE LATTER INCLUDE LEGISLATION, NATURE CONSERVATION, MANAGEMENT TECHNIQUES, ECONOMIC SUBSIDIES, PHYSICAL PLANNING AND SITE DEVELOPMENT, RESEARCH ON ENVIRONMENTAL CARE, AND INFORMATION AND EDUCATION. THE APPENDIX ALSO PROVIDES INFORMATION ON THE COSTS OF THE ENVIRONMENT IN TERMS OF SOCIETY, URBANIZATION AND ITS EFFECTS, AND ENVIRONMENTAL PROBLEMS IN DEVELOPING COUNTRIES.

SWEDEN
PM(A)

ENVIRONMENTAL PLANNING IN SWEDEN - - NO. 32
EMMELIN, LARS EPA
ENGLISH 08/00/72 PGS 1-4 ID# 00974A
ALSO LRB
GENERAL WATER SOLID WASTE AIR

THIS PUBLICATION CONTAINS SELECTED INFORMATION FROM THE 1971 YEARBOOK OF THE SWEDISH NATIONAL ENVIRONMENTAL PROTECTION BOARD. NEW LEGISLATION MENTIONED INCLUDES LAWS CONCERNING REFUSE COLLECTION AND DISPOSAL AS WELL AS FOOD AND FOOD ADDITIVES. GOVERNMENT ATTEMPTS TO REDUCE SULFUR CONTENT OF FUEL OILS ARE MENTIONED. THE IMPLEMENTATION OF THESE AND OTHER MEASURES IS THE RESPONSIBILITY OF THE ENVIRONMENTAL PROTECTION BOARD (EPB), WHICH HAS CONSEQUENTLY UNDERGONE A REORGANIZATION AND EXPANSION. EPB IS ALSO RESPONSIBLE FOR LAWS DEALING WITH EMISSIONS FROM INDUSTRIES AND MUNICIPALITIES AND WATER POLLUTION. THE REPORT ALSO BRIEFLY SUMMARIZES THE RESULTS OF A SURVEY OF THE TOTAL EMISSION OF SULFUR INTO THE AIR IN 1970, REPORTS AN INVESTIGATION ON THE EFFECTS OF INCREASING ACIDITY OF PRECIPITATION ON LAKES IN SOUTHWEST SWEDEN, AND DISCUSSES THE EFFECTS OF MERCURY ON FISH.

EUR
SWEDEN
PM(A)

DESIGN OF THE SWEDISH NATIONAL ENVIRONMENTAL INFORMATION SYSTEM
PALMLUND, INGAR EPA
ENGLISH 00/00/72 PGS. 1-19 ID# 01198A
ALSO ST
GENERAL WATER AIR

PREPARED BY THE SWEDISH AGENCY FOR ADMINISTRATIVE DEVELOPMENT, THIS PAPER DISCUSSES THE EXPERIENCE ACQUIRED IN SWEDEN FROM A PREPARATORY STUDY ON A COMPUTERIZED NATIONAL ENVIRONMENTAL INFORMATION SYSTEM. THE PAPER FIRST PRESENTS A GENERAL MODEL FOR USE IN THE ANALYSIS, PLANNING AND DESIGN OF NATIONAL ENVIRONMENTAL DATA SYSTEMS, THEN THE BASIC DESIGN AND CONTENTS OF A PROPOSED DATA SYSTEM, AND FINALLY SOME DETAILS ON THE FUNCTIONING OF THIS SYSTEM, AIMED AT FACILITATING THE CONTROL OF POLLUTION IN SWEDEN.

SWE[illegible]
P[illegible]A)

NATURVARDSVERKETS ARSBOK 1972 (THE NATIONAL SWEDISH ENVIRONMENT PROTECTION BOARD YEARBOOK 1972)
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 00/00/72 PGS 1-174 ID# 01866A
GENERAL AIR WATER SOLID WASTE NOISE

THIS 1972 REVIEW OF THE ENVIRONMENT IN SWEDEN AND THE ACTIVITIES OF THE NATIONAL SWEDISH ENVIRONMENT PROTECTION BOARD CONTAINS CHAPTERS ON THE FOLLOWING: INTERNATIONAL COOPERATION; ENVIRONMENT PROTECTION IN PARLIAMENT AND GOVERNMENT; RESEARCH ON ENVIRONMENTAL PROTECTION; SURVEY OF SWEDISH WATERS; INCREASED STATE GRANTS FOR ENVIRONMENT PROTECTION MEASURES; THE APPLICATION OF THE ENVIRONMENT PROTECTION ACT; COLLECTING AND DISPOSAL OF REFUSE; WATER PROTECTION; AIR PROTECTION; ENVIRONMENTAL HYGIENE; NATURE CONSERVATION; AND INFORMATION EFFORTS IN ENVIRONMENTAL CONSERVATION. TABULAR PRESENTATIONS ON ACTIVITIES IN VARIOUS ENVIRONMENTAL AREAS ARE ALSO INCLUDED, AS WELL AS A CHART ILLUSTRATING THE ORGANIZATIONAL STRUCTURE OF THE NATIONAL ENVIRONMENT PROTECTION BOARD. A LENGTHY ENGLISH SUMMARY ACCOMPANIES THE YEARBOOK.

SWEDEN
PM(A)

MEMORANDUM CONCERNING ENVIRONMENTAL ACTIVITIES IN SWEDEN
SWEDEN. ROYAL MINISTRY FOR FOREIGN AFFAIRS EPA
ENGLISH 01/00/74 PGS 1036 ID# 01867A
GENERAL

THIS MEMORANDUM, PREPARED BY THE ROYAL MINISTRY FOR FOREIGN AFFAIRS AS A SUPPLEMENT TO THE SWEDISH NATIONAL REPORT TO THE UNITED NATIONS ON THE HUMAN ENVIRONMENT AS WELL AS TO OTHER REPORTS PRESENTED BY SWEDEN TO THE 1972 UN CONFERENCE ON THE HUMAN ENVIRONMENT, DEALS WITH RECENT SWEDISH DEVELOPMENTS IN THE ENVIRONMENT FIELD. VARIOUS SECTIONS DEAL WITH: HUMAN SETTLEMENTS, HUMAN HEALTH, HABITAT AND WELL-BEING; LAND, WATER AND DESERTIFICATION, WITH SUBSECTIONS ON SOILS AND DESERTS, ECOSYSTEMS, WATER AND WASTE TECHNOLOGY, AND INTEGRATED PLANNING AND MANAGEMENT METHODS; EDUCATION, TRAINING AND INFORMATION; TRADE, ECONOMICS AND TRANSFER OF TECHNOLOGY; OCEANS, WITH SUBSECTIONS ON MARINE POLLUTION AND CONSERVATION AND MANAGEMENT OF LIVING ACQUATIC RESOURCES; CONSERVATION OF NATURE, WILDLIFE AND GENETIC RESOURCES; ENERGY; AND EARTHWATCH.

EUR
SWEDEN
PM(A)

NATURVARDSVERKETS ARSBOK 1971 (THE NATIONAL SWEDISH ENVIRONMENT PROTECTION BOARD YEARBOOK 1971)
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 00/00/71 PGS 1-237 ID# 01878A
GENERAL AIR WATER SOLID WASTE

THIS 1971 REVIEW OF THE ENVIRONMENT IN SWEDEN AND THE ACTIVITIES OF THE NATIONAL SWEDISH ENVIRONMENT PROTECTION BOARD CONTAINS CHAPTERS ON THE FOLLOWING AREAS: INTERNATIONAL COOPERATION; ENVIRONMENTAL PROTECTION IN PARLIAMENT AND GOVERNMENT; ENVIRONMENTAL PROTECTION RESEARCH; APPLICATIONS FOR EXEMPTION FROM PERMIT OBLIGATIONS; SUPERVISION UNDER THE ENVIRONMENTAL PROTECTION ACT; SUBSIDIES FOR WATER- AND AIR CONSERVING MEASURES IN INDUSTRY; SULFUR PROBLEMS; MOTOR VEHICLE EXHAUST; NOISE; ENVIRONMENTAL PROBLEMS IN LIVESTOCK PRODUCTION, SLAUGHTERHOUSES AND RENDERING PLANTS, FERTILIZER MANUFACTURE, THE SURFACE TREATMENT INDUSTRY, AND OIL REFINERIES; INVESTIGATORY ACTIVITIES; WATER CONSERVATION IN DENSELY AND SPARSELY POPULATED AREAS; VARIOUS NATURAL CONSERVATION ACTIVITIES; NEW SOLID WASTE LEGISLATION; RECREATIONAL ACTIVITIES; AND INFORMATIONAL WORK IN ENVIRONMENTAL CONSERVATION. PHOTOGRAPHS AND TABLES ARE INCLUDED. A LENGTHY ENGLISH SUMMARY ACCOMPANIES THE YEARBOOK.

SWEDEN
PM(A)

ENVIRONMENTAL RESEARCH 71/72. PUBLICATION 1974:3E
NATIONAL SWEDISH ENVIRONMENT PROTECTION BOARD EPA
ENGLISH 00/00/74 PGS 1-236 ID# 01915A
GENERAL PESTICIDES WATER AIR NOISE

THIS PUBLICATION CONTAINS BRIEF REPORTS ON THE RESEARCH ACTIVITIES SUPPORTED BY GRANTS FROM THE RESEARCH COMMITTEE OF THE NATIONAL SWEDISH ENVIRONMENT PROTECTION BOARD MAINLY IN THE FISCAL YEAR 1971/72. THE 289 PROJECTS REPORTED ON ARE PRESENTED UNDER THE FOLLOWING MAJOR HEADINGS: BIOLOGICAL EFFECTS AND PESTICIDES; AIR PROTECTION AND NOISE ABATEMENT; NATURE CONSERVATION; WATER MANAGEMENT; AND WILDLIFE BIOLOGY. FOR EACH PROJECT THE FOLLOWING INFORMATION, TO THE EXTENT TO WHICH IT IS AVAILABLE, IS GIVEN: PROJECT NAME; PROJECT MANAGER; GRANTS; OBJECTIVES; PROGRESS; AND PUBLICATIONS. FINAL SECTIONS PROVIDE INFORMATION ON THE ADMINISTRATION OF THE RESEARCH SECRETARIAT, ON PILOT STUDIES, ON GRANTS FOR SUMPOSIA AND TRAVEL, AND ON PUBLISHING ALLOWANCES.

SWEDEN
PM(A)

NATURVARDSVERKETS ARSBOK 1973 (OFFICE FOR THE PROTECTION OF NATURE YEARBOOK 1973)
SWEDEN. STATE OFFICE FOR THE PROTECTION OF NATURE EPA
SWEDISH 12/00/73 PGS 1-152 ID# 02305A
ALSO LRB
GENERAL AIR WATER

THIS ANNUAL REPORT BY THE SWEDISH STATE OFFICE FOR THE PROTECTION OF NATURE HIGHLIGHTS 1973 ACTIVITIES DEALING WITH ENVIRONMENTAL PROTECTION AND NATURE CONSERVATION. AMONG THE TOPICS TREATED ARE: INTERNATIONAL ENVIRONMENTAL COOPERATION AS IT RELATES TO THE BALTIC SEA; NEW ENVIRONMENTAL LEGISLATION BEFORE THE GOVERNMENT; FISCAL PLANNING AND SPECIAL PROJECTS; PRODUCT CONTROL; RESEARCH AND INVESTIGATORY ACTIVITIES; PROTECTION OF WILDLIFE AND THE SAFEGUARDING OF THE LANDSCAPE; OUTDOOR ACTIVITIES AND SPORTS; QUESTIONS OF INDUSTRIAL POLLUTION, INCLUDING NEW GUIDELINES FOR AIR QUALITY, INDUSTRIAL NOISE PROBLEMS, AND DATA SYSTEMS; PROBLEMS OF AIR AND WATER POLLUTION AND WASTE MANAGEMENT IN THE GOTEBORG REGION; AND STATISTICAL DATA. THE ANNUAL REPORT ALSO CONTAINS AN ORGANIZATIONAL CHART OF THE STATE OFFICE FOR THE PROTECTION OF NATURE AS OF JULY 1, 1973.

EUR
SWEDEN
PM(B)

"ENVIRONMENT PROTECTION IN SWEDEN." FACT SHEETS ON SWEDEN
SWEDEN. SWEDISH INSTITUTE EPA
ENGLISH 11/00/73 PGS 1-4 ID# 02691A
ALSO LRB AND SE
GENERAL AIR WATER NOISE

THIS FACT SHEET, PRODUCED AS PART OF THE SWEDISH INFORMATION SERVICE ABROAD, CONTAINS A SUMMARY OF MAJOR SWEDISH ENVIRONMENTAL LAWS AND REGULATIONS. IT ALSO DISCUSSES THE ADMINISTRATION OF ENVIRONMENTAL PROTECTION, AND INCLUDES A CHART OF ADMINISTRATIVE BODIES AT THE NATIONAL, REGIONAL AND LOCAL LEVEL RESPONSIBLE FOR ENVIRONMENTAL POLICY. STATE ECONOMIC INCENTIVES TO MUNICIPAL SEWAGE TREATMENT PLANTS AND TO OLDER INDUSTRY FOR POLLUTION ABATEMENT ARE OUTLINED. RESEARCH AND MONITORING EFFORTS, AND SWEDEN'S INTERNATIONAL EFFORTS IN RESPECT TO ENVIRONMENTAL PROTECTION ARE ALSO MENTIONED. INITIAL PARTS OF THE BOOKLET SKETCH THE PARTICULAR ENVIRONMENTAL PROBLEMS OF SWEDEN. THE INFORMATION IS CURRENT THROUGH OCTOBER 1973.

SWEDEN
PM(B)

"WORLD'S FIRST ENVIRONMENTAL DATA BANK PROPOSED IN SWEDEN." CURRENT SWEDEN
NO. 10
EPA
ENGLISH 09/00/73 PGS 1-8 ID# 02725A
GENERAL

THIS LEAFLET DISCUSSES STUDIES AND PROPOSALS FOR SWEDEN'S PROPOSED ENVIRONMENTAL PROTECTION INFORMATION SYSTEM OR DATA BANK, ABBREVIATED MI FOR ITS SWEDISH INITIALS. THE COMPUTERIZED SYSTEM, ACCORDING TO EXISTING PLANS, WOULD STORE AIR, WATER AND OTHER TYPES OF POLLUTION DATA REQUIRED UNDER THE ENVIRONMENT PROTECTION ACT, AS WELL AS INFORMATION ABOUT PRODUCTS HAZARDOUS TO HEALTH AND TO THE ENVIRONMENT, PHARMACEUTICALS, HARMFUL PRODUCTS IN FOODSTUFFS, POISONS, DRINKING WATER SAMPLINGS, AND POSSIBLY RADIATION. FOR SOME DATA ONLY REFERENCES AS TO WHERE THE MATERIAL IS AVAILABLE WOULD BE STORED. THE FINDINGS OF WATER RIGHTS COURTS OR OF RESEARCH PROJECTS MIGHT FALL INTO THIS CATEGORY. IF APPROVED, THE PROJECT WOULD BE IMPLEMENTED IN STAGES THROUGHOUT THE 1970'S. THE FIRST STAGE WOULD COLLECT DATA FROM INDUSTRY ON AIR AND WATER POLLUTION, THE SECOND, INFORMATION ABOUT RESEARCH PROJECTS AND STUDIES. THE PROJECT COULD BEGIN TO BE DEVELOPED IN JULY 1974 IF ACCEPTED. EASE OF USE WOULD BE A PRIMARY GOAL.

EUR
SWEDEN
PM(B)

"SCIENCE AND TECHNOLOGY IN SWEDEN. ENVIRONMENT." DEPARTMENT OF STATE AIRGRAM. AMEMBASSY STOCKHOLM. NO. A-87
UNITED STATES. DEPARTMENT OF STATE EPA
ENGLISH 03/28/75 PGS 1-8 ID# 02762A
ALSO SE
GENERAL

THIS AIRGRAM, WHICH INCLUDES AN ORGANIZATIONAL CHART FOR THE NATIONAL ENVIRONMENT PROTECTION BOARD (NEPB), DISCUSSES ENVIRONMENTAL RESEARCH AND INFORMATIONAL EFFORTS OF THE SWEDISH GOVERNMENT. ITEMIZES ASPECTS OF NEPB'S RESEARCH BUDGET FOR FISCAL YEAR 1973/74, AND LISTS NEPB'S TOTAL APPROPRIATIONS FOR ALL ENVIRONMENTAL PURPOSES IN FISCAL 1974/75, ALONG WITH BUDGET REQUESTS FOR FISCAL 1975/76. NEPB ALLOCATED FUNDS TO RESEARCH PROJECTS IN THE FOLLOWING FIVE AREAS, LISTED IN ORDER OF PRIORITY: WATER MANAGEMENT, BIOLOGICAL EFFECTS AND PESTICIDES, NATURE CONSERVANCY, AIR PROTECTION AND NOISE ABATEMENT, AND WILDLIFE BIOLOGY. ALSO DISCUSSED ARE SWEDEN'S INTERNAL ORGANIZATIONS AND PROGRAMS FOR RESEARCH, THE NATION'S MEMBERSHIP IN INTERNATIONAL POLITICAL AND SCIENTIFIC ORGANIZATIONS INVOLVED IN ENVIRONMENTAL WORK, AND INTERNATIONAL CONVENTIONS AGAINST POLLUTION OF THE OCEANS TO WHICH SWEDEN IS A PARTY. A FINAL SECTION DEALS WITH U.S.-SWEDISH RELATIONS.

SWEDEN
PM(B)

"SHAKING THE INSTITUTIONS IN SWEDEN." ENVIRONMENT, VOL. 16
LUNDQVIST, LENNART J. EPA
ENGLISH 10/00/74 PGS 27-35 ID# 02775A
ALSO SE AND LRB
GENERAL

THIS ARTICLE DISCUSSES THE ADMINISTRATIVE AND LEGAL FRAMEWORK FOR ENVIRONMENTAL CONTROL IN SWEDEN. THE IMPLEMENTATION OF THE 1969 ENVIRONMENT PROTECTION ACT AND ITS PURSUANT ORDINANCE IS DISCUSSED AT SOME LENGTH. GOVERNMENT-INDUSTRY COOPERATIVE EFFORTS ARE EMPHASIZED. A SYSTEM OF CONTACT PERSONS HAS DEVELOPED IN MUCH OF INDUSTRY TO DEAL WITH THE NATIONAL ENVIRONMENT PROTECTION BOARD AND OTHER PUBLIC ENVIRONMENTAL AGENCIES, AND IN 1969 WORK GROUPS COMPOSED OF GOVERNMENT AND INDUSTRY REPRESENTATIVES WORKED OUT AIR EMISSIONS STANDARDS FOR VARIOUS STATIONARY SOURCES. SUBSIDIES TO OLDER INDUSTRIAL AND MUNICIPAL INSTALLATIONS FOR POLLUTION CONTROL IN THE PERIOD FROM 1969 TO 1974 ARE DISCUSSED. NEW INDUSTRY IS REQUIRED TO PAY ITS OWN ENVIRONMENTAL PROTECTION COSTS. DEMANDS FOR CHANGE IN THE SYSTEM FROM SOME PRIVATE ENVIRONMENTAL GROUPS ARE MENTIONED.

EUR
SWEDEN
PM(A)

"ADVICE AND INSTRUCTIONS REGARDING SUPERVISION ACCORDING TO THE ENVIRONMENT PROTECTION ACT." STATENS NATURVARDSVERK PUBLIKATION 1971:3
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 03/00/71 PGS 1-58 ID# 02776A
ALSO LRB
GENERAL AIR WATER

THIS PUBLICATION IS INTENDED TO PROMOTE UNIFORM SUPERVISION OF SIMILAR INSTALLATIONS ON THE PART OF SUPERVISORY PERSONNEL AND TO PREVENT DUPLICATION OF EFFORT. THE NATIONAL ENVIRONMENT PROTECTION BOARD, COUNTY AUTHORITIES AND MUNICIPAL PUBLIC HEALTH COMMITTEES ARE RESPONSIBLE FOR OVERSEEING ENVIRONMENT PROTECTION ACTIVITIES. SELF-MONITORING BY POLLUTING ESTABLISHMENTS IS IMPORTANT. THE PUBLICATION PROVIDES INSTRUCTIONS FOR INTERNAL AND EXTERNAL EXAMINATION AND MONITORING OF POLLUTION SOURCES AND FOR RECORD KEEPING AND REPORTING. THE RESPONSIBILITIES AND RIGHTS OF THE SEVERAL SUPERVISORY BODIES UNDER THE ENVIRONMENT PROTECTION ACT AND THE PUBLIC HEALTH STATUTE ARE DETAILED. ATTACHMENTS LIST PERTINENT LAWS, REGULATIONS AND LITERATURE. SAMPLE FORMS FOR MONITORING AND REPORTING ARE INCLUDED. CHARTS EXPLAIN WHICH AGENCIES ARE RESPONSIBLE FOR VARIOUS TYPES OF MONITORING AND WHICH AGENCIES RECEIVE COPIES OF THEIR REPORTS. THE INFORMATION IS TO BE REGARDED AS PROVISIONAL AND WILL BE REVISED AFTER CURRENT STUDIES.

SWEDEN
PM(A)

SUPPLEMENT TO ADVICE AND INSTRUCTIONS REGARDING SUPERVISION ACCORDING TO THE ENVIRONMENT PROTECTION ACT
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 02/00/73 PGS 1-5 ID# 02776B
ALSO LRB
GENERAL AIR WATER

THIS PUBLICATION CONTAINS CERTAIN REVISIONS AND ADDITIONS TO THE INSTRUCTIONS CONTAINED IN PUBLICATION 1971:3 OF THE NATIONAL ENVIRONMENT PROTECTION BOARD. THE MAJOR CHANGE IS THE RECOMMENDATION THAT MONITORING AND SUPERVISION PROGRAMS FOR POLLUTING ESTABLISHMENTS BE DEVELOPED AT AN EARLIER STAGE OF THE APPROVAL PROCEDURE FOR SUCH INSTALLATIONS. THE ENVIRONMENT PROTECTION SECTIONS OF COUNTY ADMINISTRATIONS ARE EMPOWERED TO APPROVE SUCH PROGRAMS DRAFTED BY THE ESTABLISHMENTS THEMSELVES. NEW PROVISIONS ARE ALSO ADDED REGARDING: SUPERVISION OF INSTALLATIONS RECEIVING GRANTS UNDER NEW LEGISLATION FOR STATE SUBSIDIES TO PURIFICATION PLANTS; SUBSIDIES TO INDUSTRY FOR ENVIRONMENT PROTECTION MEASURES; AND STATE SUPPORT FOR PROCESSING OF SOLID WASTE. THE SECTION ON EXAMINATION HAS ALSO BEEN REVISED. THESE INSTRUCTIONS ARE PROVISIONAL, PENDING RESULTS OF CURRENT STUDIES.

EUR
SWEDEN
PM(A)

CONFERENCE ON ECOLOGICAL PLANNING (CURRENT SWEDEN: ENVIRONMENTAL PLANNING IN SWEDEN, NO. 64)
EMMELIN, LARS
ENGLISH 06/00/75 PGS 1-4 EPA ID# 03126A
GENERAL WATER LAND USE

THIS PAMPHLET DEALS WITH THE SWEDISH MATERIAL PRESENTED AT AN INTERNATIONAL CONFERENCE ON ECOLOGICAL PLANNING SPONSORED BY THE NATIONAL SWEDISH ENVIRONMENTAL PROTECTION BOARD. THE HISTORY OF SWEDISH NATIONAL PHYSICAL PLANNING IS SUMMARIZED. A LANDSCAPE ANALYSIS IN THE MUNICIPALITY OF LINKOPING AND A NATIONAL WATER RESOURCE INVENTORY ARE THEN CITED AS EXAMPLES OF DEVELOPMENT TOWARDS THE GOAL OF ECOLOGICAL PLANNING. THE OBJECTIVE OF THE LANDSCAPE ANALYSIS WAS TO DEVELOP METHODS WHICH ARE SOUNDLY BASED ON SCIENTIFIC PRINCIPLES AND AT THE SAME TIME USEFUL TO LOCAL PLANNERS. WHILE THE WATER RESOURCES INVENTORY WAS INTENDED TO PROVIDE A BETTER BACKGROUND KNOWLEDGE FOR WATER RESOURCES PLANNING BY COLLECTING DATA ON WATER QUALITY, AVAILABLE RESOURCES, AND DEMANDS FOR WATER. IN THIS CONTEXT IT IS ALSO POINTED OUT THAT, AT THE PRESENT TIME, WATER RESOURCE PLANNING HAS NO LEGAL STATUS IN SWEDEN.

SWEDEN
PM(B)

ENVIRONMENTAL EDUCATION. (CURRENT SWEDEN: ENVIRONMENTAL PLANNING IN SWEDEN, NO. 65)
EPA
ENGLISH 09/00/75 PGS 1-6 ID# 03132A
GENERAL

THIS PUBLICATION DEALS WITH SWEDISH ENVIRONMENTAL EDUCATION, WHICH WAS INTRODUCED FORMALLY INTO THE SCHOOL SYSTEM IN 1968. A BREAKDOWN OF THE PROGRAM AT DIFFERENT LEVELS OF EDUCATION IS PRESENTED. IN PRIMARY SCHOOLS INTEGRATION INTO OTHER SUBJECTS AND COOPERATIVE WORK BETWEEN DISCIPLINES ARE STRESSED, WHILE IN SECONDARY SCHOOLS THE SUBJECT IS COVERED SOMEWHAT DIFFERENTLY ACCORDING TO WHICH AREA OF EMPHASIS THE STUDENT HAS CHOSEN. A PROGRAM FOR TRAINING TEACHERS ALSO EXISTS. THE NATIONAL CURRICULUM OUTLINES FOR BOTH A TEN-WEEK AND A FULL YEAR ENVIRONMENTAL STUDIES PROGRAM AT THE UNIVERSITY LEVEL ARE APPENDED.

SWEDEN
PM(B)

PLANNING SWEDEN: REGIONAL DEVELOPMENT AND MANAGEMENT OF LAND AND WATER RESOURCES
SWEDEN. MINISTRY OF LABOR AND HOUSING/PHYSICAL PLANNING EPA
ENGLISH 00/00/73 PGS 1-142 ID# 03527A
ALSO LR8
LAND USE WATER

THIS SUMMARY DISCUSSES THE SWEDISH GOVERNMENT DECISIONS OF DECEMBER 1972 CONCERNING REGIONAL DEVELOPMENT PLANNING AND MANAGEMENT OF LAND AND WATER RESOURCES. A SHORT DESCRIPTION OF SWEDEN'S ADMINISTRATIVE STRUCTURE IS INCLUDED, BOTH ON THE NATIONAL AND REGIONAL LEVEL, AS WELL AS SOME GENERAL COMMENTS REGARDING OTHER FORMS OF NATIONAL PLANNING AND THEIR RELATIONSHIP TO EACH OTHER. THE PRESENT LEGAL SYSTEM IS DISCUSSED AS BACKGROUND MATERIAL FOR THE LEGISLATIVE CHANGES, PARTICULARLY IN REGARD TO LAND USE. THE BOOKLET COVERS RATHER EXTENSIVELY THE HISTORY AND PRESENT SITUATION OF REGIONAL DEVELOPMENT AND PLANNING, INCLUDING OBJECTIVES AND THE MEANS USED TO REALIZE THESE. THE NATIONAL PHYSICAL PLANNING PROCESS IS REVIEWED AS WELL AS THE CURREN NATIONAL GUIDELINES FOR LAND USE AND THEIR IMPLEMENTATION.

EUR
SWEDEN
PM(B)

RIKKARR I NORRLAND NATURVARDSPROBLEM OCH SKOTSELASPEKTER (RICH FENS IN NORTHERN SWEDEN: CONSERVATION AND MANAGEMENT)
ELVELAND, JAN
SWEDISH
LAND USE
08/00/75 PGS 1-78
EPA ID# 03530A

THE RICH FENS IN SWEDEN HAVE DRAWN ATTENTION BECAUSE OF THEIR ABUNDANCE OF VEGETATION SPECIES. SINCE ABOUT SIX FENS HAVE NOW BECOME RESERVES AND MORE ARE BEING PLANNED, MANAGING THESE WETLAND AREAS IN ORDER TO CONSERVE THEIR UNIQUENESS IS OF PARTICULAR INTEREST. THE "RICH FEN" CONCEPT IS EXPLAINED IN THIS REPORT AND THE DISTRIBUTION OF RICH FENS IN SWEDEN IS MAPPED OUT. A SHORT HISTORY OF THESE AREAS AND THEIR IMPACT ON THE COUNTRY'S ECONOMY FOLLOWS. PROBLEMS REGARDING CONSERVATION AS WELL AS INSTRUCTIONS ON HOW TO MANAGE RICH FENS ARE DISCUSSED. AMONG DIFFERENT KINDS OF MANAGEMENT PRACTICES CONSIDERED ARE: PARTIAL CLEARING OF TREES AND BUSHES; HAY-MAKING WITH SCYTHES; GRAZING BY COWS OF THE HORNLESS, NORTHERN RACE; AND "GROUND PREPARATION," I.E. THE RIPPING OFF OF PIECES OF THE SUPERFICIAL PEAT OR THE TURNING OF IT UPSIDE DOWN. THE REPORT HAS A SUMMARY IN ENGLISH.

SWEDEN
PM(B)

URBAN PLANNING AND NOISE FROM ROAD TRAFFIC
NATIONAL SWEDISH BOARD OF URBAN PLANNING
ENGLISH
NOISE
00/00/72 PGS 1-72
EPA ID# 00936A

THIS MIMEOGRAPHED PUBLICATION OF THE NATIONAL SWEDISH BOARD OF URBAN PLANNING IN COLLABORATION WITH THE NATIONAL SWEDISH SOCIAL WELFARE AND ENVIRONMENT PROTECTION BOARDS AND THE NATIONAL SWEDISH ROAD ADMINISTRATION IS A DRAFT OF A GENERAL GUIDE TO PROBLEMS OF ROAD TRAFFIC NOISE FOR URBAN PLANNERS. CHAPTER 1, WHICH CONTAINS A GENERAL DISCUSSION OF NOISE, DEFINES NOISE AND DISCUSSES, AMONG OTHER THINGS, THE RELATIONSHIP BETWEEN EXPOSURE TO NOISE (DOSE) AND THE DEGREE OF ANNOYANCE INVOLVED (RESPONSE). CHAPTER 2 DISCUSSES THE VARIOUS PHYSIOLOGICAL AND PSYCHOLOGICAL EFFECTS OF NOISE AND PRESENTS RECOMMENDATIONS REGARDING EXPOSURE LIMITS TO VARIOUS KINDS OF NOISE. CHAPTER 3 REVIEWS MEASURES FOR THE ABATEMENT OF NOISE FROM ROAD TRAFFIC AND CHAPTER 4 DEALS WITH THE CALCULATION OF ROAD TRAFFIC NOISE FOR PLANNING PURPOSES. DISCUSSION OF EACH TOPIC IS DETAILED, AND NUMEROUS CHARTS AND DATA ARE SUPPLIED.

EUR
SWEDEN
PM(B)

VAD AR BULLER? (WHAT IS NOISE?)
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 00/00/73 PGS 1-16 ID# 02747A
NOISE

THIS BOOKLET BRIEFLY DEFINES NOISE AND ITS PHYSIOLOGICAL AND OTHER EFFECTS. SOURCES OF NOISE INCLUDE TRAFFIC, AIRCRAFT, INDUSTRY AND CONSTRUCTION. NOISE MAY BE COUNTERACTED TECHNOLOGICALLY AT THE SOURCE, BY PLANNING TO LIMIT ITS NUISANCE VALUE, AND BY INSULATING PERSONS AGAINST ITS EFFECTS. LAWS AND REGULATIONS IN SWEDEN TO CONTROL NOISE INCLUDE THE ENVIRONMENT PROTECTION ACT, PUBLIC HEALTH STATUTES, AND BUILDING, TRAFFIC AND NATURE CONSERVANCY LEGISLATION. A DIAGRAM IDENTIFIES AGENCIES RESPONSIBLE FOR NOISE CONTROL AT ALL LEVELS. AT THE MUNICIPAL LEVEL, INDIVIDUALS MAY TURN TO THE PUBLIC HEALTH COMMITTEES, POLICE, AND TRAFFIC COMMITTEES. AT THE REGIONAL LEVEL, COUNTY ADMINISTRATION BOARDS AND REAL ESTATE COURTS OFFER AID. A FINAL CHART LISTS GUIDELINES FOR RECOMMENDED NOISE LEVELS IN INDUSTRY AND FROM TRAFFIC, EXPRESSED IN DECIBEL A UNITS. GUIDELINES FOR TRAFFIC NOISE IN VARIOUS TYPES OF NEIGHBORHOODS STEM FROM SUGGESTIONS OF THE NATIONAL PLANNING COMMITTEE AND THE ENVIRONMENT PROTECTION BOARD.

SWEDEN
PM(B)

RIKTVARDEN FOR EXTERNT INDUSTRIBULLER (SUGGESTED VALUES FOR EXTERNAL INDUSTRY NOISE). PUBLIKATION 1973:5
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 00/00/73 PGS 1-19 ID# 02792A
NOISE

THESE GUIDELINES ARE INTENDED TO ASSIST INDUSTRIES, PARTICULARLY THOSE NEEDING PERMITS OR EXEMPTION CERTIFICATES UNDER THE ENVIRONMENT PROTECTION ACT, IN TAKING NOISE PREVENTIVE MEASURES. BASED ON INTERNATIONAL AND FOREIGN RECOMMENDATIONS, THE GUIDELINES ARE PROVISIONAL AND ARE TO BE TRIED OUT FOR THREE YEARS, AFTER WHICH MORE PRECISE INFORMATION WILL BE AVAILABLE. THEY APPLY TO ALL SORTS OF INDUSTRIAL ACTIVITIES AND TO HEATING PLANTS, WORKSHOPS, SERVICE INSTALLATIONS AND WAREHOUSES. THE FOLLOWING NOISE LEVELS IN DECIBEL A ARE RECOMMENDED FOR RESIDENTIAL AREAS: DAY (7 A.M. TO 6 P.M.), 50; EVENING (6 P.M. TO 10 P.M.), SUNDAYS AND HOLIDAYS, 45; AND NIGHT (10 P.M. UNTIL 7 A.M.), 40. CORRESPONDING LEVELS PRESCRIBED FOR RECREATIONAL AREAS ARE 40, 35 AND 35. THE PUBLICATION DESCRIBES THE MEASUREMENT PROCESS, INCLUDING EQUIPMENT, POINTS OF READINGS, MEASUREMENT CONDITIONS, PROCEDURES, AND RESPONSIBILITY FOR MEASUREMENT. APPENDED IS A SUMMARY OF NOISE INFORMATION TO BE PROVIDED AUTHORITIES UNDER THE ENVIRONMENT PROTECTION ACT.

EUR
SWEDEN
PM(B)

STORNINGSREAKTIONER VID FLYGBULLEREXPONERING (DISTURBANCE REACTIONS TO AIRCRAFT NOISE EXPOSURE)
RYLANDER, RAGNAR, AND OTHERS
SWEDISH 04/00/72 PGS 1-77 EPA ID# 03031A
NOISE

THIS PUBLICATION DESCRIBES AN INVESTIGATION TO DETERMINE THE OCCURRENCE AND EXTENT OF PERSONAL DISTURBANCE REACTIONS IN PERSONS EXPOSED TO AIRCRAFT NOISE, CARRIED OUT UNDER THE AUSPICES OF THE ENVIRONMENTAL HYGIENE DIVISION OF THE SWEDISH NATIONAL ENVIRONMENT PROTECTION BOARD. SUCH STUDIES MAY FORM THE BASIS FOR TECHNICAL AND PLANNING MEASURES TO PROTECT THE EXPOSED POPULATION. INITIAL SECTIONS REVIEW NOISE FROM A TECHNICAL STANDPOINT AND PRESENT EARLIER FINDINGS ON AIRCRAFT NOISE AS A SOURCE OF DISTURBANCE. THE INVESTIGATION'S STRUCTURE AND IMPLEMENTATION IS DESCRIBED, FOLLOWED BY A REPORT OF ITS RESULTS. THE RELATIONSHIP OBSERVED BETWEEN NOISE EXPOSURE AND PERSONAL DISTURBANCES IS DISCUSSED, INCLUDING CONSIDERATION OF CRITICAL NOISE LEVELS AND THE EFFECTS OF: A) THE INCREASED NOISE FREQUENCY OF JET FLIGHTS, B) LANDING NOISE, AND C) NOISE NEAR TEST-FLIGHT FIELDS. A FINAL DISCUSSION SECTION INCLUDES MENTION OF PRACTICAL APPLICATIONS OF THE INFORMATION. THE THREE APPENDIXES CONTAIN GRAPHS, TABLES AND OTHER EXPLANATORY MATERIAL PERTINENT TO THE TEXT.

SWEDEN
PM(B)

"NUCLEAR POWER STATION COOLANTS BIGGER RISK THAN RADIATION."
BYGGNADS INDUSTRIN, V. 42, N. 19

ENGLISH 06/02/72 PGS 67 LOC ID# 00153A
ALSO SWEDISH
RADIATION WATER

THE ARTICLE IN THIS SPECIAL ENGLISH LANGUAGE ISSUE, DEDICATED TO UN ENVIRONMENTAL CONFERENCE, STRESSES SWEDISH OCEANOGRAPHER'S VIEW THAT THE MOST SERIOUS EFFECT NUCLEAR POWER PLANTS CAN HAVE UPON THE ENVIRONMENT IS THAT CAUSED BY LARGE-SCALE DISCHARGES OF HEATED COOLANTS INTO ADJACENT WATERS. HE REMAINS PESSIMISTIC ABOUT SOLVING THE PROBLEM OF WATER TEMPERATURE FLUCTUATIONS AND WARNS OF THIS THREAT TO FISH LIFE. IN HIS ESTIMATION, STRINGENT SAFETY REQUIREMENTS, BOTH INTERNATIONAL AND LOCAL, TEND TO MINIMIZE RADIATION RISKS FROM PRESENT AND PLANNED NUCLEAR POWER FACILITIES IN SWEDEN.

EUR
SWEDEN
PM(A)

ANNUAL REPORT, 1970
NAT'L INSTITUTE OF RADIATION PROTECTION NTIS
SWEDISH 00/00/71 PGS 130 ID# 00154A
RADIATION

AN ACCOUNT IS GIVEN OF THE NATIONAL INSTITUTE OF RADIATION PROTECTION IN SWEDEN DURING 1970, INCLUDING STATISTICAL DATA IN 27 TABLES WITH HEADINGS IN ENGLISH.

SWEDEN
PM(B)

REFUSE
STOCKHOLM CENTRAL BOARD OF ADMIN., INFORMA. COMMITTEE EPA
ENGLISH 00/00/72 PGS 12 ID# 00113A
ALSO ST/ALSO MULTILINGUAL
SOLID WASTE

THIS BRIEF, ILLUSTRATED PAMPHLET PROVIDES A HISTORICAL SUMMARY OF REFUSE DISPOSAL IN THE STOCKHOLM AREA. THE SWEDISH CAPITAL BURNS ALL ITS HOUSEHOLD AND MUCH OF ITS INDUSTRIAL REFUSE, THE BULK OF IT AT AN ULTRA-MODERN INCINERATOR PLANT OPENED AT HOGDALEN IN SEPTEMBER 1970. THE NEW PLANT CURRENTLY HAS TWO INCINERATORS WITH AN ANNUAL CAPACITY OF 160,000 TONS. A THIRD INCINERATOR IS SCHEDULED TO BE ADDED BY THE CLOSE OF THE SEVENTIES AND A FOURTH A DECADE LATER.

SWEDEN
PM(B)

PROBLEMS OF HOUSEHOLD WASTES (CURRENT SWEDEN: ENVIRONMENTAL PLANNING IN SWEDEN, NO. 46)
EMMELIN, LARS EPA
ENGLISH 12/00/73 PGS 1-4 ID# 02688A
ALSO LRB
SOLID WASTE

THIS PAMPHLET EXAMINES SOME OF THE WORK IN PROGRESS IN SWEDEN TO SOLVE THE PROBLEMS OF WASTE DISPOSAL AND THE RECYCLING OF DOMESTIC WASTES. COMPREHENSIVE LEGISLATION EFFECTIVE AS OF JANUARY 1, 1971 MAKES MUNICIPAL AUTHORITIES RESPONSIBLE FOR THE COLLECTION AND DISPOSAL OF ALL FORMS OF DOMESTIC WASTE. IN ORDER TO ENSURE COLLECTION TO ALL AREAS OF AN URBAN AREA, A WASTE COLLECTION MONOPOLY WAS ESTABLISHED FOR THE MUNICIPALITIES. THE NEW LEGISLATION ALSO MAKES THE MUNICIPALITY RESPONSIBLE FOR HANDLING THE LITTER PROBLEM. AT PRESENT THE DOMINANT METHOD OF WASTE DISPOSAL IN SWEDEN IS CONTROLLED DUMPING WITH OR WITHOUT PRIOR TREATMENT TO REDUCE VOLUME OR FACILITATE SOME BREAKDOWN OF ORGANIC MATERIAL. HOWEVER INCINERATION IS FREQUENT IN LARGE URBAN CENTERS. THE PAMPHLET FURTHER DISCUSSES COSTS OF WASTE DISPOSAL IN SWEDEN, RECOMMENDED SYSTEMS, REGIONAL SOLUTIONS AND VARIOUS TYPES OF RECYCLING. A SUCCESSFUL EXPERIMENT IN RECLAIMING MATERIALS FROM HOUSEHOLD WASTES IN THE DISTRICT OF VIVALLA IN CENTRAL SWEDEN IS BRIEFLY DISCUSSED.

EUR
SWEDEN
PM(B)

NATIONAL SOLUTIONS TO SOLID WASTE PROBLEMS (CURRENT SWEDEN: ENVIRONMENTAL PLANNING IN SWEDEN, NO. 59)
EMMELIN, LARS EPA
ENGLISH 01/00/75 PGS 1-5 ID# 02843A
SOLID WASTE

THIS PUBLICATION DISCUSSES SOLUTIONS TO SOLID WASTE PROBLEMS PROPOSED BY A GROUP OF EXPERTS RECENTLY APPOINTED BY THE MINISTRY OF AGRICULTURE. LARGE-SCALE RECIRCULATION PROGRAMS RUN BY THE MUNICIPALITIES ARE RECOMMENDED TO UTILIZE THE RESOURCE POTENTIAL OF HOUSEHOLD REFUSE. THE RECLAMATION OF GLASS, PAPER, METAL AND TEXTILES WOULD REQUIRE, AMONG OTHER THINGS, SEPARATION OF PAPER FROM OTHER TRASH BY HOUSEHOLDERS. ANOTHER PROGRAM WOULD IMPOSE A LEVY ON NEW CARS TO BE RETURNED TO THE LAST OWNER OF THE CAR WHEN HE TURNED IT IN AT AN AUTHORIZED AUTO SCRAPPING YARD. THE SCRAPPING YARDS THEMSELVES WOULD BE LICENSED BY THE COUNTY GOVERNMENT TO ENSURE PROPER FACILITIES FOR DISPOSAL OF CARS WHICH CANNOT BE SOLD FOR USED PARTS. TO FACILITATE RECIRCULATION, DEPOSITION, AND HOLDING OF DANGEROUS CHEMICAL WASTES, FORMATION OF JOINT COMPANIES COMPOSED OF NATIONAL AND MUNICIPAL GOVERNMENT AND INDUSTRY IS PROPOSED. THE HANDLING AND TRANSPORTATION OF CHEMICAL WASTES WOULD ALSO BE REGULATED.

SWEDEN
PM(B)

"REFUSE REMOVAL LEGISLATION'S APPLICATION." STATENS NATURVARDSVERK PUBLIKATION 1972:3
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 00/00/72 PGS 1-31 ID# 02865A
ALSO LRB
SOLID WASTE

THIS PUBLICATION DETAILS THE RESPONSIBILITIES OF VARIOUS GOVERNMENTAL JURISDICTIONS FOR COLLECTION AND DISPOSAL OF REFUSE AND REMOVAL OF LITTER AS WELL AS THE LEGISLATIVE BASES FOR THESE RESPONSIBILITIES. INDIVIDUAL CHAPTERS EXPLAIN THE BACKGROUND OF CURRENT PROVISIONS, DEFINE TERMINOLOGY, AND DISCUSS RESPONSIBILITY FOR REFUSE COLLECTION AND DISPOSAL AND LITTER REMOVAL. ALSO CONSIDERED IN SEPARATE CHAPTERS ARE THE RESPONSIBILITY FOR REFUSE REMOVAL OF 1) THE NATIONAL GOVERNMENT, 2) THE MUNICIPALITY, 3) PROPERTY OWNERS. FURTHER SECTIONS TREAT MUNICIPAL REFUSE REMOVAL MONOPOLIES, REGIONAL COOPERATION IN MATTERS OF REFUSE REMOVAL, AND APPEAL FROM A JURISDICTION'S DECISIONS RELATIVE TO REFUSE AND LITTER PROBLEMS. THE BOOKLET INCLUDES A FINAL SUMMARY.

EUR
SWEDEN
PM(B)

"THE HANDLING OF SOLID WASTE IN SEVERAL BRANCHES OF INDUSTRY." STATENS NATURVARDSVERK PUBLIKATION 1973:9
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 08/00/73 PGS 1-37 ID# 03029A
SOLID WASTE

THIS PUBLICATION PRESENTS THE RESULTS OF A SURVEY CONDUCTED BY A WORK GROUP OF THE SWEDISH NATIONAL ENVIRONMENT PROTECTION BOARD (NEPB) STUDYING INDUSTRIAL WASTES. QUESTIONNAIRES APPLICABLE TO CONDITIONS IN 1971 WERE SENT TO 66 ESTABLISHMENTS WITH 110 LOCATIONS IN THE BASE CHEMICAL; OIL REFINING; AND IRON, STEEL AND FERRO-ALLOY INDUSTRIES. QUESTIONS CONCERNED: A) THE NATURE AND HANDLING OF THE INDUSTRY'S WASTES; B) THE INDUSTRY'S FACILITIES FOR WASTE TREATMENT; AND C) THE INDUSTRY'S ACTIVITIES IN GENERAL. THE SURVEY, SIMILAR TO PREVIOUS BRANCH STUDIES OF AIR AND WATER POLLUTION, IS INTENDED PARTIALLY TO ASSIST NEPB IN ITS SUPERVISORY DUTIES, PARTIALLY TO PROVIDE A NEEDED OVERVIEW OF SOLID WASTE'S CONTRIBUTION TO POLLUTION. THE PUBLICATION PRESENTS SUMMARIES, PRIMARILY IN TABULAR FORM, OF THE INFORMATION FOR EACH BRANCH OF INDUSTRY, LISTS PARTICIPATING FIRMS AND PINPOINTS THEM ON MAPS BY BRANCH. THE SURVEY'S GENERAL GOALS, IMPLEMENTATION, AND CONCLUSIONS ARE DISCUSSED, AND SAMPLES OF THE QUESTIONNAIRE ARE APPENDED.

SWEDEN
PM(B)

"GUIDELINES FOR INVESTIGATIONS OF RECEIVING WATERS." STATENS NATURVARDSVERK PUBLIKATION 1972:9
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 00/00/72 PGS 1-72 ID# 02724A
WATER

THIS BOOKLET, ISSUED BY THE NATIONAL ENVIRONMENT PROTECTION BOARD, CONTAINS GUIDELINES ON HOW, WHEN AND WHERE TO TAKE SAMPLINGS IN RECEIVING WATERS, AND ON HOW TO REPORT AND EVALUATE RESULTS. IT IS INTENDED TO ASSIST WATER MANAGEMENT OFFICIALS IN PLANNING AND IMPLEMENTING EXAMINATIONS. SUCH INVESTIGATIONS SERVE AS A CONTROL TO SPOT INCIPIENT POLLUTION, AID IN PREVENTING POLLUTION INCREASE, AND ALLOW DEGREE OF POLLUTION PRESENT TO BE ESTABLISHED. THE FIRST SECTION DETAILS PHYSICAL-CHEMICAL, BACTERIOLOGICAL AND BIOLOGICAL ELEMENTS TO BE MEASURED AS WELL AS HYDROLOGICAL AND METEOROLOGICAL OBSERVATIONS TO BE TAKEN. RECIPIENT TYPES, TYPES OF POLLUTION AND POLLUTION COMBINATIONS ARE DISCUSSED. A CHART INDICATES WHAT SORTS OF POLLUTION MAY EMANATE FROM VARIOUS TYPES OF PLANT (E.G., TOXIC SUBSTANCES FROM AN IRON OR STEEL WORKS). OTHER SECTIONS INCLUDE GUIDELINES FOR DISTRIBUTION OF SAMPLING IN VARIOUS TYPES OF RECIPIENT DURING THE YEAR AND FOR FIELDWORK METHODOLOGY.

EUR
SWEDEN
PM(B)

"REPORT ON WATER QUALITY CRITERIA FOR SWEDISH SURFACE WATERS. SUMMARY."
NATIONAL SWEDISH NATURE CONSERVANCY OFFICE PUBLICATION 1969:1E
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
ENGLISH 00/00/69 PGS 1-9 ID# 02744A
WATER

THIS PUBLICATION PRESENTS A SUMMARY IN ENGLISH OF A BOOKLET IN SWEDISH. IN THREE APPENDIXES CHARTS INDICATE WATER QUALITY CRITERIA FOR PUBLIC WATER SUPPLIES AND WATER USED FOR SWIMMING AND FISHING. A FOURTH CHART PRESENTS A SYSTEM FOR DETERMINING A WATER BODY'S DEVIATION FROM THE "NATURAL" STATE, OR ITS DEGREE OF POLLUTION. WATER IS DESCRIBED AS UNPOLLUTED, SLIGHTLY POLLUTED, DISTINCTLY POLLUTED OR HEAVILY POLLUTED BASED ON A SERIES OF PHYSICAL AND CHEMICAL CRITERIA. BACTERIOLOGICAL, PHYSICAL AND CHEMICAL CRITERIA ARE GIVEN FOR PUBLIC WATER SUPPLIES AND SWIMMING WATERS. THESE CRITERIA WERE EVOLVED BY A COMMITTEE COMMISSIONED BY THE ENVIRONMENT PROTECTION BOARD AND ARE MEANT AS GUIDELINES IN NATIONAL WATER MANAGEMENT EFFORTS. AFTER FURTHER STUDY, THE BOARD WILL DECIDE WHETHER OR NOT TO PUBLISH OFFICIAL STANDARDS.

SWEDEN
PM(B)

"INSTRUCTIONS FOR THE CONTROL OF ENVIRONMENTALLY DANGEROUS PROCESSES IN THE PETROLEUM INDUSTRY." STATENS NATURVARDSVERK PUBLIKATION 1974:14
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 04/00/74 PGS 1-51 ID# 02795A
WATER AIR NOISE SOLID WASTE

THE INITIAL SECTION OF THIS PUBLICATION PROVIDES A SUMMARY OF INTERNAL AND EXTERNAL CONTROL AND MONITORING OF POLLUTION PURSUANT TO THE ENVIRONMENT PROTECTION ACT. IN SUCCEEDING SEPARATE SECTIONS, THE PARTICULAR WATER AND AIR POLLUTION PROBLEMS OF THE PETROLEUM INDUSTRY ARE DESCRIBED. PROGRAMS FOR INTERNAL MONITORING AND SUPERVISION AND OPERATIONAL CONTROL ARE OUTLINED, AS WELL AS PREREQUISITES FOR INSPECTION BY THE AUTHORITIES. IN THE CASE OF WATER POLLUTION CONTROL, SPECIAL SECTIONS DISCUSS INTERNAL MONITORING AND OFFICIAL INSPECTION OF RECEIVING WATERS. FOR AIR POLLUTION PROBLEMS, INSTRUCTIONS FOR EXAMINATION OF AMBIENT AIR QUALITY ARE INCLUDED. OTHER SECTIONS DEAL BRIEFLY WITH PROBLEMS OF NOISE AND WASTE DISPOSAL APPLIED TO THE PETROLEUM INDUSTRY. THREE APPENDIXES CONTAIN: TECHNIQUES FOR WATER SAMPLING, PARAMETERS FOR DETERMINATION OF NOISE NUISANCE, AND A LISTING OF OTHER PUBLICATIONS OF THE NATIONAL ENVIRONMENT PROTECTION BOARD.

EUR
SWEDEN
PM(B)

"SEWAGE PURIFICATION - SEWAGE SITUATION IN DENSELY POPULATED AREAS AS OF JANUARY 1, 1974." STATENS NATURVARDSVERK PUBLIKATION 1974:6
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 00/00/74 PGS 1-15 ID# 02818A
WATER

THIS BOOKLET PRESENTS IN TABULAR AND GRAPHIC FORM A QUANTITATIVE ANALYSIS OF THE STATE OF SEWAGE PURIFICATION IN BUILT-UP AREAS AS OF JANUARY 1, 1974. IT REPORTS, AMONG OTHER THINGS, THAT THE PROPORTION OF RESIDENTS OF DENSELY POPULATED AREAS SERVED BY PURIFICATION PLANTS WITH GREATER THAN SLUDGE SEPARATION INCREASED DURING 1973 FROM 81 TO 88 PERCENT. CURRENTLY 49 PERCENT OF THE POPULATION IN BUILT-UP AREAS ARE SERVED BY CHEMICAL OR BIOLOGICAL-CHEMICAL SEWAGE PURIFICATION, NEARLY DOUBLE THE PERCENTAGE (26 PERCENT) AS OF JANUARY 1, 1973. THE NUMBER OF AREAS NOT SERVED BY PURIFICATION PLANTS DECREASED FROM 76 TO 32 IN 1973. IN ALL LARGER AREAS PARTIALLY OR WHOLLY LACKING SATISFACTORY SEWAGE PURIFICATION, NEW PLANTS ARE NOW IN CONSTRUCTION OR PLANNED. THE INITIAL PAGES SUMMARIZE THE FINDINGS OF THE EIGHT SUCCEEDING TABLES. SIMILAR REPORTS ARE AVAILABLE FOR JANUARY 1, 1973 (PUBLICATION 1973:1) AND FOR 1972 (PUBLICATION 1972:7).

SWEDEN
PM(B)

"MUNICIPAL SLUDGE TREATMENT." STATENS NATURVARDSVERK PUBLIKATION 1974:10
SWEDEN. NATIONAL PROTECTION BOARD EPA
SWEDISH 00/00/74 PGS 1-36 ID# 02828A
WATER

THIS PUBLICATION ON SWEDISH MUNICIPAL SLUDGE TREATMENT STATES THAT WITH THE RAPID GROWTH IN THE NUMBER OF SEWAGE PURIFICATION PLANTS, THE PROBLEMS OF SLUDGE TREATMENT AND ULTIMATE DISPOSAL HAVE INCREASED IN IMPORTANCE. THE PRESENT STUDY REPRESENTS CONDITIONS AS OF MARCH 1, 1973. AFTER DESCRIBING THE STUDY'S FORM AND TERMINOLOGY, THE PUBLICATION DISCUSSES SLUDGE TREATMENT (STABILIZATION, REMOVAL OF WATER, AND HYGIENIZATION) AND THE DEPOSITING OF SLUDGE, AND PRESENTS SLUDGE TREATMENT DATA BY COUNTY. TABLES AND CHARTS ACCOMPANY EACH SECTION. THE STUDY FINDS IN SUMMARY THAT SLUDGE FROM ABOUT 80 PERCENT OF THE POPULATION OF BUILT-UP AREAS UNDERGOES SOME FORM OF STABILIZATION, WHILE ABOUT 30 PERCENT UNDERGOES HYGIENIZATION. SLUDGE FROM 80 PERCENT OF THE POPULATION IS TREATED BY WATER REMOVAL, ABOUT 60 PERCENT OF THAT IN MECHANICAL INSTALLATIONS. OF SLUDGE TIPPED OR USED IN AGRICULTURE, ABOUT 70 PERCENT IS PROCESSED BOTH BY STABILIZATION AND WATER REMOVAL.

EUR
SWEDEN
PM(B)

"IVL - AN INSTRUMENT OF ENVIRONMENTAL PROTECTION." JOURNAL OF THE FEDERATION OF SWEDISH INDUSTRIES. SPECIAL ISSUE ON INDUSTRY AND ENVIRONMENT

ENGLISH 11/00/70 PGS 14-15 EPA ID# 02840A
WATER AIR

THIS ARTICLE DISCUSSES THE FUNCTIONS AND FUNDING OF THE SWEDISH WATER AND AIR POLLUTION LABORATORY (INSTITUTET FOR VATTEN- OCH LUFTVARDSFORSKNING, IVL), A JOINT GOVERNMENT-INDUSTRY RESEARCH ORGANIZATION. IVL, WHICH IS FUNDED IN EQUAL AMOUNTS BY GOVERNMENT AND INDUSTRY, BEGAN ACTIVITY JANUARY 1, 1966, AFTER THE GOVERNMENT AGREED TO A PROPOSAL BY THE SWEDISH FEDERATION OF INDUSTRIES. AS PART OF THE CONTRACT FORMING THE LABORATORY, INDUSTRY ALSO AGREED TO OPERATE A NON-PROFIT SERVICE COMPANY CALLED INDUSTRIAL WATER AND AIR POLLUTION CONTROL COMPANY TO PROVIDE FIRMS WITH COUNSELING, INVESTIGATIVE AND RESEARCH SERVICES. IVL HAS CONCENTRATED ON SELECTED AREAS OF ENVIRONMENTAL RESEARCH OF PARTICULAR URGENCY. INITIAL CONCENTRATION WAS ON POLLUTION PROBLEMS OF INDUSTRY, BUT UNDER A NEW THREE-YEAR CONTRACT SIGNED IN JULY 1970, PART OF GOVERNMENT FUNDS WILL BE ALLOCATED TO THE STUDY OF MUNICIPAL POLLUTION PROBLEMS.

SWEDEN
PM(B)

"CURING SICK LAKES." CURRENT SWEDEN: ENVIRONMENTAL PLANNING IN SWEDEN, NO. 50
EMMELIN, LARS
ENGLISH 04/00/74 PGS 1-9 EPA ID# 02850A
WATER

THIS PUBLICATION DISCUSSES SEVERAL EFFECTED OR PROPOSED EFFORTS TO RESTORE DETERIORATED LAKES IN SWEDEN. THE RECENT RAPID EXPANSION OF SEWAGE TREATMENT CAPACITY HAS BEEN IMPORTANT IN COUNTERACTING FURTHER DETERIORATION. ONE OF THE LARGEST PROPOSED PROJECTS IS A RESTORATION OF THE CENTRAL SWEDISH LAKE HORNBORGA, WHICH WOULD REMOVE MUCH OF THE CURRENT VEGETATIVE OVERGROWTH AND RESERVE THE LAKE AS A BIRD SANCTUARY. A SUCCESSFUL RESTORATION OF THE SOUTH-CENTRAL LAKE TRUMMEN INVOLVED PUMPING OUT A NUTRIENT-RICH HEAVY BLACK MUD LAYER. LAKE OSBYSJON WAS SUCCESSFULLY RESTORED BY INTRODUCING A SPECIES OF CARP TO REDUCE VEGETATION. THE COLDER BOTTOM LAYER OF LAKE JARLA, SOUTH OF STOCKHOLM, WAS SUCCESSFULLY OXYGENATED TO INHIBIT THE RELEASE OF NUTRIENTS FROM THE SEDIMENT SURFACE. VARIOUS EXPERIMENTS ARE BEING CONDUCTED TO DETERMINE THE BEST MEANS OF REJUVENATING ACIDIFIED LAKES IN SOUTHWESTERN SWEDEN. THE ULTIMATE CAUSE OF SUCH ACIDIFICATION IS SULFUR DIOXIDE EMISSIONS FROM SWEDEN AND THE CONTINENT.

FUR
SWEDEN
PM(B)

JOURNAL WATER POLLUTION CONTROL FEDERATION, VOL. 47 (ISSUE ON SWEDEN)
PIECUCH, PETER J., ED.
ENGLISH 04/00/75 PGS 663-910 EPA ID# 02966A
WATER

THIS ISSUE OF THE WATER POLLUTION CONTROL FEDERATION'S JOURNAL DEALS EXCLUSIVELY WITH WATER CONTROL PROGRAMS AND TECHNOLOGY IN SWEDEN. THE PAPERS, CONTRIBUTED BY SWEDISH SCIENTISTS, TREAT ENVIRONMENTAL, LEGISLATIVE, AND SOCIAL, AS WELL AS TECHNOLOGICAL ASPECTS OF THE PROGRAMS. THE FOLLOWING TITLES ARE ILLUSTRATIVE OF THE 25 ARTICLES IN THE ISSUE: WATER CONSERVATION IN SWEDEN (I. LEGISLATION, II. POLLUTION CONTROL, III. CURRENT TRENDS); UNDERGROUND WASTEWATER TREATMENT PLANTS; FINAL DISPOSAL OF MUNICIPAL SLUDGE IN SWEDEN; SWEDISH EXPERIENCES IN CHEMICAL TREATMENT OF WASTEWATER; KINETICS OF ACTIVATED CARBON ADSORPTION; MINITEST METHOD FOR MONITORING EFFLUENT QUALITY; NITROGEN REMOVAL IN A PILOT PLANT; COMPOSTING AND USE OF COMPOST IN SWEDEN; INDUSTRY EFFORTS FOR THE ENVIRONMENT; ENVIRONMENTAL PROTECTION IN KRAFT PULP MILLS; WATER POLLUTION FROM AGRICULTURE; AND OIL SPILL PROTECTION IN THE BALTIC SEA. PAGES 875-910 CONTAIN ABSTRACTS OF MANY OF THE ARTICLES IN ENGLISH, FRENCH, GERMAN, PORTUGUESE, AND SPANISH.

SWEDEN
PM(B)

"VANERN: A PROGRAM FOR SUPPLY CONTROL, SUPERVISION AND RESEARCH." STATENS NATURVARDSVERK PUBLIKATION 1972:13
SWEDEN, NATIONAL ENVIRONMENT PROTECTION BOARD
SWEDISH 00/00/72 PGS 1-148 EPA ID# 03043A
WATER

THIS PUBLICATION PRESENTS SUMMARIES OF PROPOSALS FOR A COMPREHENSIVE RESEARCH PROGRAM IN LAKE VANERN IN WESTERN SWEDEN, MOST OF THEM DEVELOPED BY THE WORK GROUP FOR REGIONAL WATER INVESTIGATIONS ("LAKE GROUP") FOR THE SWEDISH NATIONAL ENVIRONMENT PROTECTION BOARD. CHAPTER 1 JUSTIFIES WORK IN LAKE VANERN, BEGINNING WITH ITS SOCIO-ECONOMIC SIGNIFICANCE, WHILE CHAPTER 2 CONDENSES CERTAIN BASIC DATA ON VANERN AND ANALYZES THE LAKE AS A LIMNOLOGICAL PRODUCTION SYSTEM. CHAPTER 3 DEFINES THE SCOPE OF PROPOSED RESEARCH, AND CHAPTERS 4 AND 5 PROPOSE MEASUREMENT PROGRAMS FOR MEASURING THE WATER FEEDING INTO AND DRAINING FROM THE LAKE AND PRESENT SUGGESTIONS FOR SPECIFIC AREAS OF RESEARCH. APPENDED ARE: 1) A DETAILED TREATMENT OF VANERN AS A LIMNOLOGICAL SYSTEM, 2) THE "LAKE GROUP'S" SUGGESTED PROGRAM IN ITS ENTIRETY, AND 3) SUGGESTIONS FOR THE ADMINISTRATIVE-ORGANIZATIONAL ASPECTS OF RESEARCH.

EUR
SWEDEN
PM(B)

"MONITORING DISCHARGES FROM MUNICIPAL SEWAGE INSTALLATIONS." STATENS NATURVARDSVERK PUBLIKATION 1972:5
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 05/00/72 PGS 1-14 ID# 03044A
WATER

THIS PUBLICATION CONTAINS A STATEMENT OF THE GENERAL REQUIREMENTS FOR INTERNAL AND EXTERNAL MONITORING OF THE DISCHARGES FROM MUNICIPAL SEWAGE INSTALLATIONS. INTERNAL CONTROL INCLUDES THE MONITORING OF ALL FUNCTIONS PERTAINING TO THE PURIFICATION PLANT, SEWERAGE SYSTEM, PUMPING STATIONS, AND SPILLWAY FACILITIES. EXTERNAL CONTROL DEMANDS MONITORING OF DISCHARGED QUANTITIES OF POLLUTED WATER AND THE CONDITION OF RECEIVING WATERS. RECORD-KEEPING AND REPORTING TO THE AUTHORITIES ARE REQUIRED. IN ADDITION, PURIFICATION PLANTS ARE TO BE INSPECTED BY AUTHORITIES UPON BEGINNING OPERATION AND AT REGULAR INTERVALS. MONITORING AND RECORDS ARE TO PROVIDE INFORMATION ON VARIATIONS IN THE LEVEL OF PURIFICATION AND CHANGES IN THE SEWAGE WATER'S FLOW AND COMPOSITION WHICH COULD LEAD TO WORSENED DISCHARGED WATER QUALITY. A SAMPLE OF THE FORM TO BE USED FOR REPORTING TO AUTHORITIES IS APPENDED.

SWEDEN
PM(B)

"WATER AND AIR POLLUTION FROM SURFACE TREATMENT PLANTS." STATENS NATURVARDSVERK PUBLIKATION 1972:4
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 01/00/72 PGS 1-153 ID# 03045A
WATER

THIS PUBLICATION, WHICH INCLUDES AN INITIAL ENGLISH SUMMARY, DESCRIBES THE SURFACE TREATMENT INDUSTRY IN SWEDEN AND OUTLINES TECHNICAL AND ECONOMIC POSSIBILITIES OF LIMITING WATER AND AIR POLLUTION CAUSED BY IT. THE REPORT, BASED ON A QUESTIONNAIRE RETURNED BY 716 FIRMS, CONCENTRATES ON CHEMICAL AND ELECTROLYTICAL PROCESSES. THE POSSIBILITIES OF LIMITING POLLUTION WERE ANALYZED THROUGH LITERATURE STUDIES, CONSULTATION WITH EXPERTS AND REVIEW OF EIGHT APPENDED CASE STUDIES OF DIFFERENT TYPES OF SURFACE TREATMENT PLANTS. THE PARTICULAR POLLUTION PROBLEMS OF THE INDUSTRY ARE DESCRIBED AND INTERNAL AND EXTERNAL POLLUTION PREVENTION MEASURES ARE DISCUSSED. GUIDELINES AND REGULATIONS IN VARIOUS COUNTRIES DEALING WITH POLLUTANTS FROM THIS INDUSTRY ARE ALSO CONSIDERED, AND SUGGESTIONS FOR MONITORING OF SEWAGE DISCHARGES IN THE INDUSTRY ARE PRESENTED.

EUR
SWEDEN
PM(B)

"GUIDING PRINCIPLES FOR ENVIRONMENT PROTECTION MEASURES AT ANIMAL PRODUCTION."
STATENS NATURVARDSVERK PM 617
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
ENGLISH 02/00/75 PGS 1-14 ID# 03081A
WATER AIR

THIS PUBLICATION PROVIDES INSTRUCTION FOR THE DESIGN AND MANAGEMENT OF LIVESTOCK PRODUCTION FACILITIES IN ORDER TO REDUCE TO A MINIMUM AIR AND WATER POLLUTION AND NUISANCE FROM DISAGREEABLE ODORS. SECTIONS OF THE BOOKLET DEAL WITH THE LOCATION OF LIVESTOCK PRODUCTION FACILITIES AND OF MANURE SPREADING AREAS, THE HANDLING AND SPREADING OF MANURE, AND THE APPLICATION PROCEDURE FOR OBTAINING A PERMIT TO ESTABLISH OR OPERATE A LIVESTOCK PRODUCTION FACILITY. UNDER THE 1969 ENVIRONMENT PROTECTION ACT AND ORDINANCE, A PERMIT MUST BE OBTAINED FROM THE NATIONAL FRANCHISE BOARD FOR ENVIRONMENT PROTECTION OR FROM THE COUNTY ADMINISTRATION TO ESTABLISH OR OPERATE FACILITIES FOR SWINE AND POULTRY AS WELL AS FOR ANY COWSHED, STABLE OR OTHER FACILITY OVER A CERTAIN SIZE. PERMISSION IS ALSO REQUIRED FOR THE DISCHARGE OF ANIMAL URINE OR SILAGE EFFLUENT INTO WATER BODIES OR SEWERAGE SYSTEMS. THIS PUBLICATION IS AN ENGLISH TRANSLATION OF THE NATIONAL SWEDISH ENVIRONMENT PROTECTION BOARD'S PUBLICATION 1973:2.

SWEDEN
PM(B)

"REDUCTION OF PLANT NUTRIENTS IN MUNICIPAL SEWAGE." INFORMATION FRAN STATENS
NATURVARDSVERK, V 3 1968
GUSTAFSSON, BENGT, AND NILS WESTBERG EPA
SWEDISH 00/00/68 PGS 1-48 ID# 03252A
ALSO ST
WATER

THIS REPORT DEALS WITH METHODS FOR THE REDUCTION OF CERTAIN KINDS OF NUTRIENTS IN SEWAGE AND QUOTES RESULTS FROM STUDIES IN THE LABORATORY AND DURING PLANT OPERATION. EXPERIMENTAL RESULTS AND PROCESS-TECHNICAL VIEWS ON THE REDUCTION OF NITROGEN AND PHOSPHORUS ARE DISCUSSED, AS WELL AS: MEANS FOR PRECIPITATING PHOSPHORUS; SLUDGE TREATMENT; OPERATIONAL EXPERIENCE; COSTS; AND SUGGESTIONS FOR RESEARCH IN THE FIELD. AN ENGLISH SUMMARY IS INCLUDED.

SWEDEN
PM(B)

"WATER AND AIR PROTECTION PROBLEMS IN PRODUCTION OF FERTILIZERS." STATENS
NATURVARDSVERK PUBLIKATIONER 1971:6
EPA
SWEDISH 06/00/75 PGS 1-120 ID# 03257A
ALSO ST
WATER AIR

THIS REPORT IS BASED ON RESEARCH TO EXPLORE THE TECHNICAL POSSIBILITIES IN REDUCING ARE AND WATER POLLUTION IN MANUFACTURING FERTILIZERS. IT DESCRIBES THE DIFFERENT TYPES AND USES OF FERTILIZERS, CONSIDERS DIFFERENT PRODUCTION METHODS AND THE CORRESPONDING EMISSIONS INTO THE ATMOSPHERE AND WATER, AND PRESENTS DETAILED DATA ON THE TECHNICAL AND ECONOMICAL POSSIBILITIES OF REDUCING POLLUTION. THE LAST CHAPTER DEALS WITH THE HANDLING AND STORING OF RAW MATERIALS AND PRODUCTS. TABLES REGISTERING THE COMBINED EMISSIONS AT LANDSKRONA AND KOPING, WHERE THE BULK OF SWEDISH FERTILIZERS IS PRODUCED, ARE APPENDED, AS WELL AS A LIST OF MEASURING METHODS AND A TABLE COMPARING RELEVANT EMISSION STANDARDS FROM VARIOUS COUNTRIES.

EUR
SWEDEN
PM(B)

"THE FROST DEPTH IN SWEDEN. FINAL REPORT." INFORMATION FRAN STATENS NATURVARDSVERK. V 4 1968

SWEDISH 00/00/68 PGS 1-64 EPA ID# 03260A
ALSO ST
WATER

THIS PAPER PRESENTS OBSERVATIONS OF FROST DEPTH IN NATURAL SOIL AND WATER-MAIN TRENCHES IN SWEDEN BETWEEN 1962 AND 1966. THE AIM OF THE INVESTIGATIONS, WHICH WERE CARRIED OUT AT 21 SWEDISH STATIONS, WAS TO ESTABLISH METHODS FOR DETERMINING FROST PENETRATION WITH SPECIAL REFERENCE BEING PAID TO THE REQUIRED DEPTHS FOR THE LAYING OF WATER AND SEWER MAINS. SPECIALLY CONSTRUCTED PROBES PLACED HORIZONTALLY AT VARIOUS LEVELS BELOW THE GROUND SURFACE WERE USED. TEMPERATURE AND THE THERMAL CONDUCTIVITY OF THE SOIL WERE MEASURED BELOW BARE SOIL AND SNOW-COVERED GROUND INSIDE AS WELL AS OUTSIDE THE WATER-MAIN TRENCHES. THE FROST DEPTH HAS BEEN CALCULATED FOR FIVE DIFFERENT TYPES OF SOIL. THE REDUCTION IN NATURAL FROST DEPTH IN GENERAL DUE TO THE HEAT SUPPLY FROM THE FLOW IN PIPES IS NOTED. VARIOUS CHARTS AND TABLES AS WELL AS PHOTOGRAPHS ILLUSTRATE THE FINDINGS. A SUMMARY IN ENGLISH IS INCLUDED.

SWEDEN
PM(B)

BOTTENFAUNAN IN ASFJORDEN, VANERN REGIONAL VARIATION OCH PABORJAD ATERHAMTNING
(THE BOTTOM FAUNA IN ASFJORDEN, LAKE VANERN REGIONAL VARIATION AND INITIAL RECOVERY)
WIEDERHOLM, TORGNY
SWEDISH 11/00/75 PGS 1-20 EPA ID# 03528A
ALSO ST
WATER

DUE TO WASTEWATER FROM THE PULP INDUSTRY, A 1973 STUDY OF ASFJORDEN SHOWED THAT THE ANNUAL LOADING OF ORGANIC MATERIAL, PHOSPHORUS AND TOTAL NITROGEN AMOUNTED TO 39,000 (857), 100 AND 1,300 TONS RESPECTIVELY. THIS LOADING WAS REDUCED BY 50, 32 AND 13 PERCENT RESPECTIVELY WHEN ONE OF THE WORST POLLUTING PLANTS WAS CLOSED DOWN IN 1974. IN 1975, ANOTHER STUDY, WHICH IS DESCRIBED IN THIS BOOKLET, SHOWED THAT ALTHOUGH THE BOTTOM FAUNA IN THE WHOLE FJORD IS STILL AFFECTED BY POLLUTION, SEVERAL FACTORS INDICATE THAT THE ENVIRONMENTAL CONDITIONS HAVE IMPROVED. THE DIVERSITY AND ABUNDANCE OF THE BOTTOM FAUNA HAS INCREASED WITH THE EXCEPTION OF SOME SPECIES WHICH THRIVE IN POLLUTED WATERS IN WHICH CASE THE SITUATION IS REVERSED. THE OBSERVED CHANGES CORRELATE DIRECTLY WITH THE DECREASED POLLUTION LOAD.

EUR
SWEDEN
PM(B)

BYFJORDEN: KEMISKA UNDERSOKNINGAR (THE BY FJORD: CHEMICAL INVESTIGATIONS)
DANIELSSON, LARS-GORAN, AND OTHERS EPA
SWEDISH 11/00/75 PGS 1-85 ID# 03531A
WATER

THE BY FJORD IS A POLLUTED FJORD SITUATED ON THE WEST COAST OF SWEDEN. ITS CONTAMINATION DEPENDS PARTLY ON NUTRIENTS RELEASED FROM THE SURROUNDING MUNICIPALITIES AND PARTLY ON THE LIMITED WATER EXCHANGE IN THE FJORD. CHEMICAL MEASUREMENTS HAVE BEEN CARRIED OUT TO CLASSIFY AND STUDY THE FLOW OF NUTRIENTS. OPTICAL MEASUREMENTS HAVE ALSO BEEN CONDUCTED TO DETERMINE THE PARTICLE STRATIFICATION AND HOW FAR DAYLIGHT PENETRATES. DUE TO THE HIGH CONCENTRATION OF PARTICULATE MATTER AND HUMID SUBSTANCE, PHOTOSYNTHESIS TAKES PLACE ONLY IN THE TOP LAYER OF THE FJORD (ABOVE 10 M.) AND LOW VALUES OF TRANSMITTANCE ARE FOUND AS WELL. THIS BOOKLET, WHICH IS ILLUSTRATED WITH A NUMBER OF CHARTS AND GRAPHS LABELED IN ENGLISH, ESTABLISHES THAT THE PRESENT SITUATION IN BY FJORD IS NOT LIKELY TO CHANGE. A REDUCTION OF NUTRIENTS FROM THE SEWAGE TREATMENT PLANT IN THE TOWN OF UDDEVALLA WILL HAVE NO EFFECT AS LONG AS THE REST OF THE MUNICIPALITIES ALONG THE COAST DO NOT FOLLOW SUIT.

SWEDEN
SE( )

"ENERGY - SHORTAGE AND ENVIRONMENTAL CONCERN." CURRENT SWEDEN: ENVIRONMENTAL PLANNING IN SWEDEN, NO. 47
ENNELIN, LARS EPA
ENGLISH 01/00/74 PGS 1-7 ID# 02726A
ALSO PMB AND LRB
AIR WATER GENERAL

THIS ISSUE OF CURRENT SWEDEN IS BASED ON A ROYAL COMMISSION POSITION PAPER ON THE SWEDISH ENERGY SITUATION. IT DISCUSSES PATTERNS OF ENERGY PRODUCTION AND CONSUMPTION AND LIMITS TO THE GROWTH OF ENERGY CONSUMPTION. ONE SUCH LIMIT MIGHT BE ENVIRONMENTAL CONSIDERATIONS. FOSSIL FUELS PRODUCE A SULFUR PROBLEM. TO COUNTERACT THE PROBLEM, LARGE CENTRALIZED HEATING SYSTEMS AND ELECTRIC HEATING ARE FREQUENTLY USED. AMBIENT AIR QUALITY PARAMETERS EXIST FOR LOCAL SYSTEMS AND ARE PRESENTED IN A TABLE. NO REGIONAL STANDARDS FOR AMBIENT AIR QUALITY EXIST, BUT IN SWEDEN FUEL OIL MAY NOT CONTAIN MORE THAN 2.5 PERCENT SULFUR BY WEIGHT. IN STOCKHOLM, GOTHENBORG AND MALMO, THE LIMIT IS ONE PERCENT SULFUR. THE ONE PERCENT LIMIT HAS NOT BEEN EXTENDED TO OTHER AREAS AS PLANNED BECAUSE OF A SHORTAGE OF LOW SULFUR OILS AND THE ENERGY CRISIS. TWO APPENDED FIGURES DIAGRAM (A) THE PATTERN OF ENERGY FLOW IN SWEDEN, AND (B) THE ENVIRONMENTAL IMPACT OF VARIOUS TYPES OF ENERGY PRODUCTION AND CONSUMPTION.

EUR
SWEDEN
SE( )

"STATE SUBSIDY FOR WATER AND AIR PROTECTIVE MEASURES IN INDUSTRY." STATENS NATURVARDSVERK PUBLIKATION 1969:11
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD. EPA
SWEDISH 00/00/69 PGS 1-12 ID# 02739A
ALSO PMB AND LRA
AIR WATER

IN THIS PUBLICATION THE ENVIRONMENT PROTECTION BOARD ISSUES INSTRUCTIONS RELEVANT TO IMPLEMENTATION OF THE JUNE 13, 1969 ORDINANCE ON STATE SUBSIDIES FOR WATER AND AIR PROTECTIVE MEASURES IN INDUSTRY. GRANTS WILL BE AVAILABLE FOR THE FIVE-YEAR PERIOD EXTENDING FROM JULY 1, 1969 TO JUNE 30, 1974. INDUSTRIES ELIGIBLE FOR GRANTS INCLUDE PLANTS WHERE PROTECTION MEASURES ARE OF GENERAL VALUE. PREFERENCE IS TO BE GIVEN THOSE PLANTS SPECIFIED IN THE MAY 29, 1969 ENVIRONMENT PROTECTION ORDINANCE. THE GRANTS ARE PRIMARILY FOR PLANTS IN OPERATION PRIOR TO JUNE 30, 1969, BUT EXCEPTION MAY BE MADE IF EVALUATING A MEASURE IS OF GREAT GENERAL INTEREST. THE GRANT MAY CONSTITUTE UP TO 25 PERCENT OF INVESTMENT COSTS FOR POLLUTION CONTROL DEVICES. SPECIFIC PREREQUISITES FOR GRANTS AND CONTROL AND SUPERVISION OF GRANT-RELATED ACTIVITY ARE DISCUSSED. APPENDED ARE THE TEXT OF THE ORDINANCE, A LIST OF INDUSTRIES SUBJECT TO EXAMINATION UNDER THE 1969 ENVIRONMENT PROTECTION ORDINANCE, AND A LIST OF PERTINENT LAWS, DIRECTIONS, AND INSTRUCTIONS.

SWEDEN
SE( )

"COOPERATIVE ENVIRONMENTAL PROTECTION GIVES POSITIVE RESULTS." JOURNAL OF THE FEDERATION OF SWEDISH INDUSTRIES. SPECIAL ISSUE ON INDUSTRY AND ENVIRONMENT
HELMERSON, BO EPA
ENGLISH 11/00/70 PGS 11-13 ID# 02791A
GENERAL

THIS ARTICLE, WRITTEN BY THE DIRECTOR OF THE FEDERATION OF SWEDISH INDUSTRIES, CITES EXAMPLES OF COOPERATION BETWEEN SWEDISH INDUSTRY AND GOVERNMENT ENVIRONMENTAL AUTHORITIES. SPECIAL JOINT COMMITTEES APPOINTED BY THE NATIONAL ENVIRONMENT PROTECTION BOARD (NEPB) AND COMPOSED OF INDUSTRY AND GOVERNMENT REPRESENTATIVES DEVELOPED GUIDELINES FOR EMISSION OF CERTAIN AIR POLLUTANTS FROM VARIOUS BRANCHES OF INDUSTRY. MANY FIRMS HAVE APPOINTED ENVIRONMENTAL EXPERTS TO MAINTAIN CONTACT WITH NEPB AND OTHER GOVERNMENT ENVIRONMENT AGENCIES. INFORMAL COOPERATION BETWEEN GOVERNMENT, REPRESENTATIVES OF THE DETERGENT INDUSTRY, AND SCIENTISTS BROUGHT ABOUT AGREEMENT BY THE INDUSTRY TO REDUCE THE PHOSPHATE CONTENT OF DETERGENTS SOLD IN SWEDEN. MERCURY EFFLUENTS WERE CUT 95 PERCENT BY THE ALKALI-CHLORINE INDUSTRY AFTER CONSULTATION WITH NEPB AND THE SWEDISH WATER AND AIR POLLUTION RESEARCH LABORATORY. THE LATTER BODY IS FUNDED HALF BY INDUSTRY AND HALF BY GOVERNMENT.

EUR
SWEDEN
SE( )

"STATE SUBSIDY FOR WASTEWATER PURIFICATION WORKS." STATENS NATURVARDSVERK PUBLIKATION 1968:V5
SWEDEN. NATIONAL ENVIRONMENT PROTECTION BOARD EPA
SWEDISH 00/00/68 PGS 1-7 ID# 02741A
ALSO PMB
WATER

WITH THIS PUBLICATION, THE NATIONAL ENVIRONMENT PROTECTION BOARD (NEPB) OFFERS INSTRUCTIONS FOR IMPLEMENTATION OF THE APRIL 26, 1968 ORDINANCE ON STATE SUBSIDIES FOR SEWAGE PURIFICATION PLANTS. NEW INSTALLATIONS AS WELL AS ADDITIONS TO OR REMODELING OF EXISTING ESTABLISHMENTS QUALIFY FOR THE GRANTS. GRANTS ARE INTENDED FOR MUNICIPAL OR OTHER PLANTS FOR WASTEWATEER PURIFICATION THAT MAY LEGALLY BE CONSIDERED PUBLIC. NEPB EXAMINES APPLICATIONS FOR GRANTS AND ADMINISTERS THEM. PLANTS RECEIVING SUPPORT SHOULD SERVE AT LEAST TEN RESIDENTIAL PROPERTIES AND PROVIDE PURIFICATION GREATER THAN SLUDGE SEPARATION. THE SUM GRANTED MAY EQUAL 30 TO 50 PERCENT OF INVESTMENT COSTS DEPENDING ON DEGREE OF PURIFICATION ATTAINED. A TABLE INDICATES THE PERCENTAGE OF COSTS COVERED BASED ON REDUCTION OF BIOCHEMICAL OXYGEN DEMAND AND PHOSPHOROUS IN PROCESSED WATER. THE ORDINANCE, WHICH ENTERS INTO FORCE JULY 1, 1968, REPLACES A 1959 ORDINANCE ON THE SUBJECT.

SWEDEN
ST( )

AIR POLLUTION PROBLEMS AT STATIONARY SOURCES IN SWEDEN
NAT'L SWEDISH ENVIRONMENT PROTECTION BOARD EPA
ENGLISH 12/00/71 PGS 239 ID# 00109A
ALSO PMB/ALSO SE
AIR

THIS EXTENSIVE STUDY EXAMINES EIGHT MAJOR SWEDISH INDUSTRIAL ACTIVITIES TO DETERMINE THEIR APPLICATION OF THE AIR POLLUTION PROVISIONS OF THE ENVIRONMENT PROTECTION ACT PROMULGATED ON 1 JULY 1969. BASED ON JOINT INVESTIGATIONS BY THE NATIONAL ENVIRONMENT PROTECTION BOARD AND PERTINENT TRADE ORGANIZATIONS, THE REPORT OUTLINES PRINCIPAL TECHNICAL PROCESSES INVOLVED IN EACH INDUSTRY, ASSESSES THE SCOPE OF THE AIR POLLUTION PROBLEM, MAKES RECOMMENDATIONS FOR REDUCING EMISSION OF POLLUTANTS, AND PROVIDES COST ESTIMATES FOR SUCH PREVENTIVE PROCEDURES.

SWEDEN
ST( )

"POISONOUS FALL-OUT." SWEDEN NOW, V. 6, N. 3 LOC
ENGLISH 06/00/72 PGS 26 ID# 00133A
AIR

THIS ITEM REPORTS A LUND UNIVERSITY RESEARCH WORKER'S RECENT DISCOVERY OF A METHOD OF MEASURING AIRBORNE FALL-OUT OF PCB AND DDT. THE POLLUTANTS WERE COLLECTED ON A SPECIALLY IMPREGNATED NET STRETCHED OVER A STEEL FRAME. FALL-OUT OF PCB, GREATEST IN WESTERN SWEDEN, IS ATTRIBUTED TO DANISH INDUSTRIES. DDT FALL-OUT IS GREATEST IN THE EAST AND IS BLAMED ON SWEDISH FOREST CULTIVATION AND ON EAST GERMANY AND POLAND.

EUR
SWEDEN
ST( )

"CLEAN HEAT: A MODERN SYSTEM FOR AN ENTIRE CITY." SWEDEN NOW, V. 6, N. 13
LOC
ENGLISH 06/00/72 PGS 42-3 ID# 00141A
AIR

THE ARTICLE BRIEFLY DESCRIBES THE CENTRALIZED HEATING SYSTEM WHICH PROVIDES HOT WATER HEATING FOR 98 PERCENT OF THE 120,000 RESIDENTS OF VASTERAS, WHICH BOASTS "SWEDEN'S PUREST CITY AIR". ELIMINATION OF INDIVIDUAL HOUSEHOLD, APARTMENT, AND OFFICE FURNACES OFFERS OTHER ADVANTAGES: LOWER HEATING COSTS, NO NEED TO TRANSPORT OIL OR COAL IN THE STREETS, AND USE OF SUB-SURFACE RETURN WATER PIPES TO KEEP DOWNTOWN STREETS SNOW-FREE IN WINTER.

SWEDEN
ST( )

NUCLEONICS WEEK, V. 11, N. 27
LOC
ENGLISH 07/09/70 PGS 1 ID# 00142A
AIR

THIS NEWSLETTER BRIEFLY DESCRIBES ONE OF SWEDEN'S MOST AMBITIOUS HEATING PLANS, THE ERECTION OF A NUCLEAR HEATING STATION FOR THE GREATER STOCKHOLM AREA. THE PLAN REFLECTS SWEDEN'S PROGRESS IN DISTRICT HEATING AND SATISFACTORY EXPERIENCE WITH A NUCLEAR REACTOR USED TO SUPPLY HEAT TO A STOCKHOLM SUBURB. IF APPROVED FOR OPERATION BY 1977, THE PLANNED NUCLEAR STATION WILL CONSOLIDATE EXISTING NETWORKS, ADD NEW ONES, AND ELIMINATE AIR POLLUTION CAUSED BY SMALL, PRIVATE HEATING PLANTS.

SWEDEN
ST( )

"AIR POLLUTION ACROSS NATIONAL BOUNDARIES." ENVIRON PLAN & CONSERV IN SWEDEN, N. 1
SWEDISH INFORMATION SERVICE
EPA
ENGLISH 11/00/71 PGS 8 ID# 00328A
AIR WATER

THIS ISSUE OF THE PERIODICAL IS DEVOTED TO A SHORT REVIEW OF A STUDY "AIR POLLUTION ACROSS NATIONAL BOUNDARIES: THE IMPACT ON THE ENVIRONMENT OF SULPHUR IN AIR AND PRECIPITATION" PREPARED FOR THE UNITED NATIONS CONFERENCE ON THE HUMAN ENVIRONMENT. THE REMARKS ARE CONCERNED PRINCIPALLY WITH THE EFFECTS OF SULPHUR POLLUTION, SUCH AS CORROSION OF METALLIC SURFACES, THE EFFECTS ON THE TOPSOIL IN FORESTS, AND ACIDIFICATION OF LAKES AND RIVERS. A CHART AND SOME MAPS OF SCANDANAVIA FOR ACID DEPOSITION THROUGH PRECIPITATION ARE INCLUDED.

EUR
SWEDEN
ST( )

GAS
STOCKHOLM CENTRAL BOARD OF ADMINISTRATION INFO. COMMIT. EPA
ENGLISH 00/00/72 PGS 22 ID# 00330A
ALSO SWEDISH
AIR

THE BOOKLET IS A BRIEF ACCOUNT OF THE NATURAL GAS INDUSTRY IN SWEDEN WITH PARTICULAR ATTENTION PAID TO AIR POLLUTION IN CONNECTION WITH THE PROCESSING AND CONSUMPTION OF GAS. THERE ARE MANY COLOR PHOTOGRAPHS OF FACILITIES ACCOMPANYING DESCRIPTIONS OF PROCESSES, AS WELL AS TWO LARGE DIAGRAMS OF THE LATTER.

SWEDEN
ST( )

AIR POLLUTION ACROSS NATIONAL BOUNDARIES. THE IMPACT ON THE ENVIRONMENT OF SULFUR IN AIR AND PRECIPITATION
SWEDEN. MINISTRIES OF FOREIGN AFFAIRS AND OF AGRICULTURE EPA
ENGLISH 08/00/71 PGS 1-96 ID# 01030A
AIR

THIS STUDY, PREPARED BY THE SWEDISH PREPARATORY COMMITTEE FOR THE U.N. CONFERENCE ON THE HUMAN ENVIRONMENT, FOCUSES ON THE EFFECTS OF SULFUR EMISSIONS FROM VARIOUS INDUSTRIAL PROCESSES AND ENERGY PRODUCTION. THE STUDY ANALYZES THE EFFECT OF TWO TYPES OF SULFUR POLLUTANTS: SULFUR POLLUTANTS IN THE AIR AND THEIR EFFECT ON HEALTH, METALS, AND SULFUR DIOXIDE DAMAGE TO VEGETATION; AND ACID DEPOSITION AS IT AFFECTS SOILS, LAKES, RIVERS, AND FOREST PRODUCTIVITY. IT ESTIMATES THE COSTS AND EFFECTS OF THESE TWO POLLUTANT TYPES IN QUANTITATIVE TERMS FOR THE YEARS 1982 AND 2000. THE STUDY CONCLUDES THAT A REDUCTION WELL BELOW PRESENT LEVELS IN THE TOTAL AMOUNT OF SULFUR EMITTED IS NEEDED TO PREVENT DAMAGE CAUSED BY ACID DEPOSITS, AND THAT TO LIMIT DAMAGE TO HUMAN HEALTH, THE MONTHLY AVERAGE SHOULD BE LESS THAN 0.05 PPM. THE STUDY AVERS THAT SULFUR EMISSIONS ARE AN INTERNATIONAL PROBLEM AND URGES INTERNATIONAL AGREEMENTS.

SWEDEN
ST( )

SWEDEN'S CASE STUDY FOR THE UNITED NATIONS CONFERENCE ON THE HUMAN ENVIRONMENT
BOLIB, BERT AND OTHERS EPA
ENGLISH 03/00/72 PGS N.P. ID# 01035A
COVERS NORTHERN EUROPE
AIR

THIS VOLUME CONTAINS 13 INDIVIDUALLY PAGINATED REPORTS CITED IN A CASE STUDY TITLED "AIR POLLUTION ACROSS NATIONAL BOUNDARIES - THE IMPACT OF SULFUR IN AIR AND PRECIPITATION." PUT TOGETHER BY THE SWEDISH PREPARATORY COMMITTEE FOR THE U.N. CONFERENCE ON THE HUMAN ENVIRONMENT. BASED ON AN EXTENSIVE LITERATURE SURVEY AND ORIGINAL INVESTIGATION, THESE TECHNICAL REPORTS, EACH WITH A SUMMARY AND A BIBLIOGRAPHY, DISCUSS THE ATMOSPHERIC SULFUR CYCLE IN NROTHERN EUROPE, SULFATE AND ACIDIC PRECIPITATION IN NORTHERN EUROPE, SULFATE AND ACIDIC PRECIPITATION EFFECTS OF SULFUR POLLUTANTS, LONG-TERM CHANGES IN THE PH OF WATER SOURCES AND IN THE CHEMISTRY OF SOILS, LOW-COST METHODS FOR REDUCING SULFUR-DIOXIDE AND EMISSIONS, FUTURE TRENDS AND THE NEED FOR FURTHER RESEARCH ON SULFUR IN THE AIR AND ITS PRECIPITATION.

EUR
SWEDEN
ST( )

MEASUREMENTS OF OZONE IN STOCKHOLM AND NYKOPING DURING THE PERIOD OF MARCH - OCTOBER 1973 (STATENS NATURVARDSVERK PM 432)
KILLINGMO, ODD-HROAR AND CAJ MOLLERGREN
SWEDISH 00/00/73 PGS 1-34 EPA ID# 02882A
AIR

THIS PUBLICATION REPORTS RESULTS OF A STUDY TO EXPLORE THE EXTENT OF OZONE PRODUCTION IN AMBIENT AIR AS A RESULT OF PHOTOCHEMICAL REACTIONS, WHICH WAS CONDUCTED WITH AID OF A GRANT FROM THE RESEARCH COMMITTEE OF SWEDEN'S NATIONAL ENVIRONMENT PROTECTION BOARD. PARALLEL INVESTIGATIONS WERE CONDUCTED IN A LARGE CITY (STOCKHOLM) AND A SMALL CITY (NYKOPING). AUTOMATIC INSTRUMENTS MEASURED OZONE CONCENTRATION USING A METHOD BASED ON A CHEMILUMINESCENT REACTION BETWEEN EHTYLENE AND OZONE. DAILY PROFILES INDICATE THAT PHOTOCHEMICAL REACTIONS TOOK PLACE AT BOTH SITES UNDER SUITABLE WEATHER CONDITIONS. HIGHEST ONE-HOUR VALUES WERE 5.4 PPHM OZONE FOR STOCKHOLM AND 6.4 PPHM FOR NYKOPING. NO CORRELATIONS BETWEEN OZONE CONCENTRATION AND TRAFFIC DENSITY HAVE AS YET BEEN MADE. TWELVE PAGES OF TEXT, COVERING BACKGROUND, MEASUREMENT METHODS, PROCEDURE, RESULTS AND DISCUSSION, ARE SUPPLEMENTED BY 20 PAGES OF TABLES AND DIAGRAMS AND A BIBLIOGRAPHY. THERE IS A SHORT ENGLISH SUMMARY.

SWEDEN
ST( )

SOLID WASTE INCINERATION--AN EXAMINATION OF WASTE, STACK GASES, ASH AND RESIDUES AT SAVENAS INCINERATOR (STATENS NATURVARDSVERK PM 535)
HEIMLER, BO
SWEDISH 00/00/75 PGS 1-50 EPA ID# 02884A
AIR

THIS PUBLICATION DESCRIBES A MEASUREMENT PROGRAM CARRIED OUT AT THE SAVENAS INCINERATOR AND FOUR MEASURING STATIONS IN ITS VICINITY. EXPERIMENTS WERE CONDUCTED TO DETERMINE THE COMPOSITION OF SOLID WASTE RECEIVED IN THE INCINERATOR, THE AMOUNT OF PARTICULATE AND GASEOUS MATTER EMITTED, AND THE QUANTITY OF HEAVY METALS IN RESIDUES AND ASH. FINALLY A CALCULATION OF THE MASS INPUT AND OUTPUT OF CERTAIN COMPONENTS DURING ONE YEAR WAS MADE. SAMPLES OF DUST AND PRECIPITATION WERE COLLECTED AT THE FOUR NEARBY MEASURING SITES TO DETERMINE THE PORTION OF SEVERAL ELEMENTS IN THE AIR ATTRIBUTABLE TO THE INCINERATOR. DURING MAY 1974 GASEOUS MERCURY WAS SAMPLED AT TWO MEASURING POINTS. RESULTS ARE PRESENTED IN NUMEROUS TABLES AND DIAGRAMS. THERE IS A SHORT ENGLISH SUMMARY, AND SECTION TITLES ARE TRANSLATED INTO ENGLISH.

EUR
SWEDEN
ST( )

TEKNISK TIDSKRIFT, V. 102, N. 11

EPA
ENGLISH 06/05/72 PGS 162 ID# 00130A
ALSO SWEDISH
GENERAL AIR WATER NOISE SOLID WASTES PESTICIDES

THIS ISSUE OF THE BIWEEKLY OFFICIAL ORGAN OF THE SWEDISH ASSOCIATION OF ENGINEERS AND ARCHITECTS WAS PUBLISHED IN ENGLISH EXPRESSLY FOR THE UN CONFERENCE ON THE HUMAN ENVIRONMENT HELD IN STOCKHOLM. ALL ARTICLES FEATURE ENGINEERING AND TECHNOLOGICAL ASPECTS OF ENVIRONMENTAL PROTECTION AND PROVIDE A REVIEW OF SWEDEN'S ACCOMPLISHMENTS IN THIS FIELD. THE ISSUE INCLUDES AN ENVIRONMENT CONTROL REGISTRY WHICH LISTS SWEDISH FIRMS CONCERNED WITH ENVIRONMENT AND POLLUTION CONTROL OF AIR, NOISE, OIL, WATER, AND SOLID WASTE TREATMENT. THE FOLLOWING TITLES OF ARTICLES ARE INDICATIVE OF SUBJECT COVERAGE: "DEALING WITH AIR POLLUTION," "BRINGING SICK LAKES BACK TO HEALTH," "FIGHTING NOISE," "SEWAGE TREATMENT," "MAINTAINING SEWAGE PLANTS," "GARBAGE -- A GROWING PROBLEM," "PULP MILLS DON'T HAVE TO SMELL," "DISPOSAL OF CHEMICAL WASTE," AND "RECYCLING OF WASTE".

SWEDEN
ST( )

PCB CONFERENCE
NAT'L SWEDISH ENVIRONMENT PROTECTION BOARD
EPA
ENGLISH 09/29/72 PGS 100 ID# 00350A
GENERAL

THE PAPERS OF THE CONFERENCE ON PCB (POLYCHLORINATED BIPHENYLS) ARE ASSEMBLED INTO THIS VOLUME. THEY COVER A MULTITUDE OF ASPECTS TO THE PROBLEM OF PCB WHICH IS VERY DIFFICULT TO DEGRADE AND VERY EASILY ACCUMULATED IN LIVING ORGANISMS. THE PAPERS COVER ITS HISTORY, ITS USE IN INDUSTRY, AND EXPERIENCE IN FINLAND. ANOTHER SESSION PRODUCED PAPERS ON THE EFFECTS OF PCB ON VARIOUS TYPES OF WILDLIFE, AND YET ANOTHER CONCENTRATED ON RADIOACTIVE LABELLING AND PROSPECTS FOR DESTRUCTION OF PCB. A LIST OF PARTICIPANTS IN THE CONFERENCE IS INCLUDED.

SWEDEN
ST( )

THE NATIONAL FOREST SURVEY. POTENTIAL USE OF DATA FOR ENVIRONMENTAL PLANNING AND RESEARCH (STATENS NATURVARDSVERK PM 603)
OHLSSON, STIG
EPA
SWEDISH 00/00/75 PGS 1-46 ID# 02878A
GENERAL LAND USE

THIS PUBLICATION DISCUSSES THE NATIONAL FOREST SURVEY, WHICH PROVIDES DATA FOR PLANNING AND CONTROL IN THE UTILIZATION OF THE FOREST RESOURCE AT REGIONAL AND NATIONAL LEVELS. THE SURVEY CONSISTED OF A SYSTEMATIC CLUSTER SAMPLING, COVERING THE TOTAL LAND AREA WITH A GRID OF SMALL SAMPLE PLOTS. THE SIZE AND COMPOSITION OF THE FOREST RESOURCE, SOIL PROPERTIES, LAND USE AND THE NATURE OF THE VEGETATION WERE RECORDED. THE INFORMATION WAS STORED ON MAGNETIC TAPE AT THE DEPARTMENT OF FOREST SURVEY AT THE ROYAL COLLEGE OF FORESTRY. BOTH EXISTING DATA, COLLECTED FROM 1953, AND NEW DATA WERE STORED. THE INFORMATION MAY BE APPLIED TO ENVIRONMENTAL PROTECTION AND PHYSICAL PLANNING PURPOSES. IN THE AREA OF ENVIRONMENTAL CONTROL, FOR EXAMPLE, THE INFORMATION CAN CONTRIBUTE FACTS REGARDING CHANGES IN SOIL AND VEGETATION. THE TEXT IS SUPPLEMENTED BY AN ENGLISH SUMMARY, BIBLIOGRAPHY, CHARTS, TABLES AND DIAGRAMS.

EUR
SWEDEN
ST( )

THE POTENTIAL USE OF ERTS-1 IMAGERY FOR ENVIRONMENT SURVEYS (STATENS NATURVARDSVERK PM 518)
SVENSSON, HARALD AND HANS-AKE OLSSON EPA
SWEDISH 00/00/74 PGS 1-31 ID# 02886A
GENERAL AIR LAND USE

THIS PUBLICATION STATES THAT IMAGES RECORDED OVER SOUTHERN SWEDEN BY ERTS-1 (EARTH RESOURCES TECHNOLOGY SATELLITE) FOR PURPOSES OF GEOGRAPHICAL ANALYSIS HAVE BEEN STUDIED FOR POSSIBLE APPLICATION TO ENVIRONMENTAL SURVEYS. POTENTIAL AREAS OF APPLICATION INVESTIGATED WERE: 1) DETECTION OF AIR POLLUTION FROM INDUSTRY, BUILT-UP AREAS, AND AIRCRAFT (CONDENSATION TRAILS); 2) FOREST CLASSIFICATION AND MAPPING; AND 3) LAND USE MAPPING. PHOTOGRAPHS, CHARTS, AND TABLES SUPPLEMENT THE TEXT, AND AN ENGLISH SUMMARY AND A BIBLIOGRAPHY ARE INCLUDED. INVESTIGATIONS WERE SPONSORED BY THE RESEARCH COMMITTEE OF THE NATIONAL ENVIRONMENT PROTECTION BOARD AND THE SWEDISH NATURAL SCIENCE RESEARCH COUNCIL.

SWEDEN
ST( )

"ERTS-1 DATA FOR LAND-USE MAPPING AND WATER QUALITY STUDIES." STATENS NATURVARDSVERK PUBLIKATION 615
SVENSSON, HARALD, AND OTHERS EPA
SWEDISH 05/00/75 PGS 1-38 ID# 03060A
LAND USE WATER

THIS PUBLICATION STUDIES POSSIBLE APPLICATIONS FOR DATA GATHERED IN THE ERTS-1 (EARTH RESOURCES TECHNOLOGY SATELLITE) EXPERIMENTS OVER SOUTHERN SWEDEN AND IN ADJOINING WATERS (THE BALTIC SEA, ORESUND AND KATTEGAT). AT THE REQUEST OF PLANNERS, A LAND-USE MAP WAS CONSTRUCTED PROVIDING A VERY DETAILED DIFFERENTIATION (18 CATEGORIES) FOR SURVEYED COASTAL AREA. IN ANOTHER APPLICATION, GRAVEL PITS WERE IDENTIFIED FROM THE IMAGERY AND COLOR COMPOSITES, AND A SURVEY MAP OF THE LARGER PITS IN SCANIA, SOUTHERN SWEDEN, WAS DRAWN UP. APPLICATIONS OF DATA RELATIVE TO WATER INCLUDED: 1) IDENTIFYING ON TWO CONSECUTIVE DAYS A BAND OF DISCHARGED OIL IN THE SOUTHERN BALTIC; 2) STUDYING THE REFLECTIVITY OF 161 LAKES FOR REGIONAL VARIATIONS AND COMPARING RESULTS WITH GROUND TURBIDITY AND TRANSPARENCY MEASUREMENTS; AND 3) TRACING VARIOUS SYSTEMS OF SEWAGE DISCHARGE IN THE ORESUND NEAR COPENHAGEN AND NOTING THE PATTERNS OF CIRCULATION OF POLLUTED WATER THERE. THE PUBLICATION HAS AN ENGLISH SUMMARY AND ENGLISH PICTURE CAPTIONS.

EUR
SWEDEN
ST( )

ON ANNOYANCE CAUSED BY NOISE EXPOSURE--A RELEVANCE STUDY (STATENS NATURVARDSVERK PM 590)
ARVIDSSON, OLA EPA
SWEDISH 00/00/75 PGS 1-144 ID# 02879A
NOISE

THIS PUBLICATION DESCRIBES WORK CONDUCTED TO STUDY THE VALIDITY OF THE "REPORT OF ANNOYANCE" RELATIVE TO COMMUNITY NOISE. THIS CONCEPT REFERS TO WHAT THE SUBJECT HIMSELF SAYS ABOUT THE PRESENCE OR ABSENCE AND DEGREE OF ANNOYANCE HE FEELS AND IS A COMMON SOCIOLOGICAL METHOD OF STUDYING EFFECTS OF NOISE ON EXPOSED INDIVIDUALS. STAGES OF THE STUDY INCLUDED A) SUMMARIZING EARLIER LITERATURE PERTAINING TO EFFECTS OF NOISE ON HUMAN BEINGS AND B) VALIDITY TESTING OF REPORTS OF ANNOYANCE. THE VALIDITY TESTING CONSISTED OF 1) RELATING THE REPORT OF ANNOYANCE TO COMPILED REPORTS OF REACTIONS TO AND EFFECTS OF NOISE EXPOSURE AND 2) LABORATORY EXPERIMENTS TO DISCOVER PHYSIOLOGICAL, PERFORMANCE AND OTHER EFFECTS OF RECORDED TRAFFIC OR AIRPLANE NOISE ON TEST AND CONTROL GROUPS, AS WELL AS TO LEARN IF EFFECTS ARE DEPENDENT ON CERTAIN PSYCHO-SOCIAL FACTORS, SUCH AS MOTIVATION OR ATTITUDE. THE PUBLICATION INCLUDES AN EIGHT-PAGE LITERATURE LIST AND AN ENGLISH SUMMARY.

SWEDEN
ST( )

THE DISTRIBUTION OF AMINOTRIAZOLE (STATENS NATURVARDSVERK PM 463)
THALVE, HANS EPA
SWEDISH 00/00/74 PGS 1-40 ID# 02915A
PESTICIDES

THIS PUBLICATION DESCRIBES STUDIES OF THE DISTRIBUTION OF AMINOTRIAZOLE IN THE BODIES OF MICE. METHODS OF STUDYING THIS SUBSTANCE, FORMERLY WIDELY EMPLOYED AS AN HERBICIDE, INCLUDED WHOLE-BODY AUDIORADIOGRAPHY, MICROAUTORADIOGRAPHY, IMPULSE COUNTING, AND CELLULAR FRACTIONATION. AMINOTRIAZOLE WAS FOUND TO ACCUMULATE IN TISSUES WITH A RAPID CELL TURNOVER, FOR EXAMPLE IN THE BONE MARROW, GASTRO-INTESTINAL MUCOSA, AND IN PARTS OF THE SPLEEN, THE THYMUS AND LYMPH NODES. IN THESE TISSUES IT INTERFERES WITH SOME FACTORS OF CELL DIVISION, FOR EXAMPLE WITH PURINE SYNTHESIS. THE SUBSTANCE IS THEREFORE A POTENTIAL HEALTH HAZARD. A TERATOLOGICAL STUDY OF AMINOTRIAZOLE INDICATED THAT ALTHOUGH IT MAY CAUSE SMALL AND IMMATURE FETUSES, IT DOES NOT CAUSE MALFORMATIONS. THE PUBLICATION PROVIDES SWEDISH AND ENGLISH SUMMARIES, AND 21 PAGES OF TABLES AND FIGURES LABELLED IN BOTH SWEDISH AND ENGLISH, AS WELL AS A BIBLIOGRAPHY.

EUR
SWEDEN
ST( )

INFLUENCE OF ROADS ON THE SURROUNDING NATURE - A LITERATURE SURVEY (STATENS NATURVARDSVERK PM 476)
KNUTSSON, GERT AND OTHERS
SWEDISH 00/00/74 PGS 1-109 EPA ID# 02877A
TOXIC SUBS WATER

THIS LITERATURE SURVEY WAS COMPILED AS THE INITIAL PHASE OF A PROJECT TO QUANTIFY THE INFLUENCE OF ROADS ON SURROUNDING NATURE, PRIMARILY PLANTS AND ANIMAL LIFE, SOIL AND WATER. IT CONSISTS OF FIVE SELF-CONTAINED SECTIONS, EACH WITH A COMPREHENSIVE BIBLIOGRAPHY, SUMMARIZING THE INFORMATION DISCUSSED IN THE LITERATURE SURVEYED. THESE SECTIONS TREAT THE FOLLOWING TOPICS: 1) GENERAL DESCRIPTION OF POLLUTION FROM ROADS; 2) ACCUMULATION AND DISTRIBUTION OF HEAVY METALS, MAINLY LEAD, IN SOIL AND VEGETATION ALONG ROADS; 3) EFFECTS OF ROAD SALT ON SOIL AND VEGETATION; 4) EFFECTS OF ROADS ON SURFACE AND GROUNDWATER; AND 5) EFFECTS OF ROADS AND TRAFFIC ON FAUNA. THE LAST 20 PAGES CONSIST OF BRIEF ENGLISH SUMMARIES OF THE SEVERAL SECTIONS ALONG WITH TABLES AND FIGURES.

SWEDEN
ST( )

SOME EFFECTS OF ZINC ON DIFFERENT STATES IN THE LIFE HISTORY OF THE MINNOW, PHOXINUS PHOXINUS L. (PISCES) (STATENS NATURVARDSVERK PM 570)
BENGTSSON, BENGT-ERIK
ENGLISH 00/00/75 PGS 1-56 EPA ID# 02880A
TOXIC SUBS WATER

THIS PUBLICATION DESCRIBES EXPERIMENTS CONDUCTED FROM AUGUST 1971 TO FEBRUARY 1973 TO DISCOVER THE LONG-TERM EFFECTS OF ZINC ON MINNOWS. SEPARATE STUDIES WERE PERFORMED ON FOUR DIFFERENT AGE CATEGORIES OF FISH. OBSERVATIONS WERE MADE TO DETERMINE THE EFFECT OF ZINC ON MINNOWS RELATIVE TO VERTEBRAL DAMAGE, MOVEMENT PATTERN, MORTALITY, REPRODUCTION, GROWTH AND SWIMMING PERFORMANCE. EXPERIMENTS WERE PARTLY FINANCIALLY SUPPORTED BY SWEDEN'S NATIONAL ENVIRONMENT PROTECTION BOARD. THE INTRODUCTORY DISCUSSION IS BASED ON FIVE PREVIOUSLY PUBLISHED SCIENTIFIC PAPERS BY DR. BENGTSSON, WHICH ARE REPRINTED IN THE SECOND HALF OF THE PUBLICATION. THE EXPERIMENTS HAVE WIDER APPLICATION IN REGARD TO THE LETHAL EFFECT OF VARIOUS WATER POLLUTANTS ON DIFFERENT ANIMAL SPECIES.

SWEDEN
ST( )

EFFECTS OF HEAVY METAL POLLUTION ON DECOMPOSITION IN FOREST SOILS (STATENS NATURVARDSVERK PM 443 E AND PM 542 E)
TYLER, GERMUND
ENGLISH 00/00/75 PGS 1-68 EPA ID# 02883A
TOXIC SUBS

THIS PUBLICATION DESCRIBES TWO PHASES OF A STUDY PERTAINING TO THE EFFECTS OF HEAVY METAL POLLUTION ON DECOMPOSITION IN FOREST SOILS. EACH OF THE TWO SECTIONS IN THE PUBLICATION, SEPARATELY PAGINATED, WAS PREVIOUSLY TREATED IN AN INDIVIDUAL BOOKLET PUBLISHED BY THE NATIONAL SWEDISH ENVIRONMENT PROTECTION BOARD. PART I, TITLED "INTRODUCTORY INVESTIGATIONS," DISCUSSES STUDIES OF NITROGEN MINERALIZATION AND THE EFFECTS OF ORGANIC SUBSTRATES ON CARBON DIOXIDE EVOLUTION IN SPRUCE MOR SAMPLES COLLECTED IN THE VICINITY OF GUSUM, OSTERGOTLAND, AN AREA POLLUTED BY HEAVY METALS, PARTICULARLY COPPER AND ZINC, FROM A BRASSWORKS. PART II, TITLED "DECOMPOSITION RATE, MINERALIZATION OF NITROGEN AND PHOSPHORUS, SOIL ENZYMATIC ACTIVITY," DISCUSSES STUDIES OF THESE PROCEDURES CONDUCTED ON THE PURELY ORGANIC MOR LAYER OF THE SPRUCE FOREST NEAR GUSUM. EACH SECTION INCLUDES DISCUSSION OF METHODS, RESULTS AND CONCLUSIONS, TOGETHER WITH REFERENCE LISTS, TABLES AND DIAGRAMS.

EUR
SWEDEN
ST( )

IDENTIFICATION OF SOME ORGANIC SUBSTANCES POTENTIALLY HARMFUL TO THE ENVIRONMENT (STATENS NATURVARDSVERK PM 520)
JENSEN, SOREN
EPA
ENGLISH 00/00/74 PGS 1-127 ID# 02885A
TOXIC SUBS WATER

THIS SURVEY IS CONCERNED WITH IDENTIFYING MAN-MADE CHEMICALS OR THEIR PRODUCTS IN NATURE AND SEEKS TO DEVELOP SYSTEMATIC GUIDELINES FOR SELECTION OF SAMPLES USEFUL IN THE IDENTIFICATION OF SUCH UNKNOWN SUBSTANCES IN THE ENVIRONMENT. THE DISCUSSION IS DIVIDED INTO FOUR CATEGORIES: 1) THE SEARCH FOR FOREIGN SUBSTANCES (PCB, DDT AND THEIR METABOLITES) IN NATURAL SAMPLES, 2) LABORATORY EXPERIMENTS TO INVESTIGATE METABOLISM OF KNOWN SUBSTANCES (DDT, PCB AND MERCURY), 3) SEARCH FOR IMPURITIES IN TECHNICAL PRODUCTS (PENTACHLOROPHENOL), AND 4) INVESTIGATION OF A MODEL SYSTEM FOR USE IN SEARCHING FOR UNKNOWN POTENTIAL POLLUTANTS BEFORE THEY REACH THE ENVIRONMENT. THE DISCUSSION IN THE FIRST HALF OF THE PUBLICATION IS BASED ON EIGHT TECHNICAL PAPERS, WHICH ARE REPRINTED IN THE SECOND HALF OF THE PUBLICATION.

SWEDEN
ST( )

BREEDING SUCCESS OF RAZORBILL IN THE ARCHIPELAGO OF STOCKHOLM IN RELATION TO EGGSHELL THICKNESS AND LEVELS OF DDT, PCB AND MERCURY IN EGGS (STATENS NATURVARDSVERK PM 483)
ANDERSSON, AKE, TJELVAR ODSJO AND MATS OLSSON
EPA
SWEDISH 00/00/74 PGS 1-30 ID# 02887A
TOXIC SUBS

THIS STUDY REPORTS HIGH LEVELS OF DDT AND PCB SUBSTANCES IN RAZORBILL EGGS COLLECTED FROM SWEDISH BALTIC BREEDING AREAS FROM 1970-1972. THE EGGS ALSO HAD SIGNIFICANTLY THINNER SHELLS THAN EGGS FROM THE PERIOD 1861-1970, PRESUMABLY DUE TO THE ACCUMULATION OF DDT IN THE RAZORBILL. HOWEVER INVESTIGATIONS OF RAZORBILLS IN THE ARCHIPELAGO OF STOCKHOLM SHOWED NO OBVIOUS EFFECTS OF DETECTED SUBSTANCES AND THINNER EGG SHELLS ON REPRODUCTIVE SUCCESS, AND BREEDING SUCCESS WAS JUDGED GOOD. SECTIONS OF THE REPORT DEAL WITH: 1) CONTENT OF DDT AND PCB SUBSTANCES, TOGETHER WITH MERCURY, IN RAZORBILL EGGS IN RELATION TO FOOD, 2) INVESTIGATION OF SHELL THICKNESS OF RAZORBILL EGGS, AND 3) PRODUCTIVE-ECOLOGICAL INVESTIGATIONS. THE PUBLICATION INCLUDES AN ENGLISH SUMMARY, A BIBLIOGRAPHY, AND SEVERAL PAGES OF TABLES AND FIGURES.

SWEDEN
ST( )

"BORON IN SWEDISH AND NORWEGIAN FRESH WATERS," AMBIO, V. 1, N. 2
T. AML & E. JONSSON
EPA
ENGLISH 04/00/72 PGS 66-70 ID# 00117A
WATER

THE ARTICLE DISCUSSES A 1970 STUDY TO DETERMINE THE BORON CONTENT OF MANY SWEDISH AND NORWEGIAN RIVERS. TWENTY STATIONS FROM THE SWEDISH WATER SAMPLING NETWORK WERE SELECTED TO FOLLOW THE VARIATION FOR ONE YEAR. A SYNOPTIC STUDY WAS PERFORMED IN THE SUMMER OF 1970. THE DATA COLLECTED SHOW THAT THE LOW BORON CONTENT IN SWEDISH AND NORWEGIAN WATERS POSES NO THREAT TO THE AQUATIC ENVIRONMENT NOR DOES IT NECESSITATE ANY RESTRICTIONS ON THE USE OF FRESH WATER FOR DRINKING AND OTHER PURPOSES.

EUR
SWEDEN
ST( )

"BARRIERS AGAINST OIL SPILLS." SWEDEN NOW. V. 6. N. 3
LOC
ENGLISH 06/00/72 PGS 24 ID# 00165A
WATER

A SWEDISH FIRM HAS TESTED THE EFFECTIVENESS OF PNEUMATIC BARRIERS TO ARREST OIL SPILLS UNDER THE INFLUENCES OF WIND, WAVES, AND CURRENT. A PERFORATED PLASTIC HOSE IS LAID DOWN ON THE SEA FLOOR AND SUPPLIED WITH COMPRESSED AIR IN ORDER TO GENERATE A PNEUMATIC BARRIER ENCLOSING AN OIL SPILL FROM TANKERS BEING LOADED OR UNLOADED AT AN OIL PORT. THE COMPRESSORS OPERATE AT REDUCED CAPACITY UNTIL A SPILL OCCURS.

SWEDEN
ST( )

ENVIRONMENTAL MERCURY RESEARCH IN SWEDEN
LARSSON, J.E.
EPA
ENGLISH 06/00/70 PGS 1-47 ID# 00935A
ALSO LRB
WATER AIR

THIS PUBLICATION OF THE RESEARCH SECRETARIAT OF THE SWEDISH ENVIRONMENT PROTECTION BOARD IS A COMPREHENSIVE STATEMENT ON THE KNOWN EFFECTS OF MERCURY ON THE NATURAL ENVIRONMENT AND ON MEASURES TAKEN TO ALLEVIATE THE MERCURY PROBLEM IN SWEDEN. MAJOR SECTIONS DEAL WITH: THE HISTORY AND CHARACTERISTICS OF THE CIRCUMSTANCES CONNECTED WITH THE DISCOVERY OF THE MERCURY PROBLEM; RESEARCH CARRIED OUT ON VARIOUS ASPECTS OF MERCURY POLLUTION BETWEEN 1965 AND 1969; ADMINISTRATIVE DECISIONS RESULTING FROM OF RESEARCH IN THIS FIELD AND THE EFFECTS OF THE MEASURES UNDERTAKEN. THE FINAL SECTION DISCUSSES RESEARCH IN PROGRESS RELATING TO MERCURY IN THE TERRESTRIAL ENVIRONMENT, AIRBORNE MERCURY, MERCURY IN THE WATER ENVIRONMENT, AND METABOLISM, TOXIC EFFECTS AND HYGIENIC RISKS. REFERENCES, TABLES, FIGURES, AND DATA ON MERCURY RESEARCH GRANTS ARE INCLUDED.

SWEDEN
ST( )

VATTEN, AVLOPP, WATER, SEWAGE, EAU, EGOUTS
STOCKHOLM CENTRAL BOARD OF ADMINISTRATION
EPA
ENGLISH 00/00/72 PGS 1-54 ID# 00971A
ALSO SWEDISH, FRENCH, GERMAN
WATER

THIS MULTILINGUAL PUBLICATION OF THE INFORMATION COMMITTEE OF THE STOCKHOLM CENTRAL BOARD OF ADMINISTRATION DEALS WITH STOCKHOLM'S SEWAGE AND WATER POLLUTION CONTROL FACILITIES THE FIRST SECTION, WHICH DEALS WITH STOCKHOLM'S MUNICIPAL WATERWORKS, HANDLES THE FOLLOWING TOPICS: RAW WATER DATA, PURIFICATION, WATER CONTROLS AND INSPECTIONS, DISTRIBUTION OF PURE WATER, AND DEVELOPMENT WORK. THE SECOND SECTION, DEALING WITH SEWERAGE, DISCUSSES THE DEVELOPMENT OF STOCKHOLM'S SEWAGE SYSTEM AND DETAILS THE SEWAGE TREATMENT PROCESSES USED IN SPECIFIC TREATMENT PLANTS. CONTROLS ON SEWAGE ARE ALSO DISCUSSED. THE PUBLICATION IS PROFUSELY ILLUSTRATED AND CONTAINS TABLES, MAPS, DRAWINGS AND GRAPHS. THE TEXT APPEARS IN ENGLISH, SWEDISH, FRENCH, GERMAN, SPANISH, AND RUSSIAN VERSIONS.

FOR
SWEDEN
ST( )

METHYL MERCURY IN FISH. PREPRINT FROM NORDISK HYGIENISK TIDSKRIFT. SUPPLEMENTUM 4
BERGLUND, F., AND OTHERS
ENGLISH 00/00/71 PGS 1-13 EPA ID# 01004A
WATER

THIS REPORT, PREPARED BY A PROFESSIONAL GROUP APPOINTED IN 1968 BY THE SWEDISH BOARD OF THE NATIONAL INSTITUTE OF PUBLIC HEALTH IN CONSULTATION WITH THE NATIONAL BOARD OF HEALTH AND WELFARE AND THE NATIONAL VETERINARY BOARD, DEALS WITH THE TOXICOLOGICAL-EPIDEMIOLOGICAL EVALUATION OF THE DANGERS INVOLVED IN THE PRESENCE OF MERCURY IN FISH INTENDED FOR HUMAN CONSUMPTION. THE DISCUSSION INCLUDES TOXICOLOGICAL EVALUATION, TOXICITY EXPERIMENTS, SAFETY FACTORS, AND AVAILABLE DATA ON THE EFFECTS OF MERCURY POISONING ON HUMANS.

SWEDEN
ST( )

BOD MEASUREMENT IN TOXIC WASTEWATERS (STATENS NATURVARDSVERK PM 433)
SPARELL, LENNART
SWEDISH 00/00/74 PGS 1-52 EPA ID# 02876A
WATER

THIS REPORT ON INVESTIGATIONS CONDUCTED WITH ECONOMIC SUPPORT FROM THE RESEARCH COMMITTEE OF SWEDEN'S NATIONAL ENVIRONMENT PROTECTION BOARD STATES THAT THE RESULTS OF BIOLOGICAL OXYGEN DEMAND (BOD7) ANALYSES IN WATERS ARE SYSTEMATICALLY DISTORTED ABOUT TEN PERCENT AT NORMAL POLLUTION LEVELS BY THE PRESENCE OF VARIOUS TOXIC SUBSTANCES. INVESTIGATIONS SHOWED THAT A STANDARDIZED DEHYDROGENASE ACTIVITY MEASUREMENT, EASILY AND QUICKLY PERFORMED WITH TETRAZOLIUM SALTS IN A BACTERIAL CULTURE, HELPED QUANTIFY THE DEGREE OF TOXICITY PRESENT, PARALLELED THE DISTURBANCE IN THE BOD7 ANALYSIS, AND COULD THEREFORE BE USED TO CORRECT THE DISTORTION IN THE TEST. SECTIONS OF THE REPORT INCLUDE: A BRIEF SUMMARY IN SWEDISH AND ENGLISH, INTRODUCTION, DISCUSSION OF LITERATURE, PROCEDURE OF THE STUDY, AND RESULTS WITH A DISCUSSION. APPENDED ARE A BIBLIOGRAPHY AND SEVERAL PAGES OF GRAPHS.

SWEDEN
ST( )

MERCURY IN LAKE VANERN - PRESENT STATUS AND PROGNOSIS (STATENS NATURVARDSVERK PM 563)
HAKANSON, LARS
SWEDISH 00/00/75 PGS 1-121 EPA ID# 02881A
WATER TOXIC SUBS

THIS PUBLICATION DESCRIBES A STUDY TO DETERMINE THE DEGREE OF MERCURY POLLUTION IN LAKE VANERN IN SOUTHWESTERN SWEDEN. OBJECTIVES OF THE STUDY WERE TO OBTAIN FACTS ABOUT SEDIMENT POLLUTION IN THE LAKE, DISCUSS AND INTERPRET THE AREAL AND VERTICAL DISTRIBUTION PATTERNS OF MERCURY IN THE LAKE, SUBSTANTIATE A THEORY ABOUT THE RELATIONSHIP BETWEEN THE MERCURY CONTENT OF FISH (PIKE) AND SEDIMENTS AND THE TROPHIC LEVEL OF THE LAKE, AND DEVELOP A THEORETICAL MODEL TO PREDICT THE RECOVERY OF CONTAMINATED SEDIMENTS APPLICABLE TO LAKE VANERN. BECAUSE THE NUTRITIONAL STATUS OF LAKE VANERN IS LOW, IT IS PARTICULARLY SUSCEPTIBLE TO ENVIRONMENTAL POISONS, AND IT WAS SHOWN THAT PARTS OF THE LAKE HAVE A SEDIMENT MERCURY CONTENT TWO TO THREE TIMES THAT OF SUCH AMERICAN LAKES AS ONTARIO AND ERIE. HOWEVER THERE ARE SIGNS THAT THE PROCESS OF RECOVERY HAS STARTED. THE PUBLICATION CONTAINS AN INITIAL ENGLISH ABSTRACT AND FINAL ENGLISH SUMMARY.

EUR
SWEDEN
ST( )

METHODS OF PHYTOPLANKTON INVESTIGATIONS (STATENS NATURVARDSVERK PM 525)
WILLEN, EVA
SWEDISH
WATER
EPA
00/00/74 PGS 1-45 ID# 02899A

THIS PUBLICATION REVIEWS METHODS FOR SAMPLING PHYTOPLANKTON TO DETERMINE SPECIES COMPOSITION (QUALITATIVE ANALYSIS) AND TO DETERMINE THE STANDING CROP (QUANTITATIVE ANALYSIS). IT DESCRIBES A SIMPLIFIED METHOD OF COUNTING IN THE MICROSCOPE AND THE USE OF A SEMI-QUANTITATIVE METHOD TO QUICKLY SURVEY PHYTOPLANKTON CONTENT IN A SAMPLE. A STATISTICAL EVALUATION TO ESTIMATE AND CHECK THE ERROR OF PHYTOPLANKTON COUNTINGS IS ALSO DESCRIBED. THE PUBLICATION INCLUDES A LITERATURE LIST AND ENGLISH AND SWEDISH SUMMARIES.

SWEDEN
ST( )

LIMNOLOGICAL STUDIES OF GALTEN AND BLACKEN, LAKE MALAREN, JULY 1965-1970 (STATENS NATURVARDSVERK PM 393)
WILLEN, TORBJORN AND OTHERS
SWEDISH
WATER
EPA
00/00/73 PGS 1-56 ID# 02902A

THIS PUBLICATION REPORTS RESULTS OF INVESTIGATIONS OF WATER QUALITY IN GALTEN AND BLACKEN BAYS IN THE WESTERN PART OF LAKE MALAREN (WEST OF STOCKHOLM). SAMPLES WERE COLLECTED FROM SEVERAL CLOSELY SPACED STATIONS AT A DEPTH OF ONE METER EACH MID-JULY FROM 1965 TO 1970. THE BAY OF VASTERAS WAS INCLUDED IN THE SAMPLING IN 1969 AND 1970. WATER WAS TESTED FOR VARIOUS CHEMICAL-PHYSICAL FACTORS, BACTERIA, PHYTOPLANKTON AND CHLOROPHYLL CONTENT. IN 1965, 1966, AND 1968 PRIMARY PRODUCTION RATES WERE ESTIMATED FOR ONE STATION IN BLACKEN BAY. TESTING RESULTS SHOW THE REGIONAL DISTRIBUTION OF MEASURED PARAMETERS AND THE CHANGE IN WATER QUALITY FROM YEAR TO YEAR. THE STUDIES REVEALED IMPROVED WATER QUALITY AS THE WATER FLOWED FROM GALTEN BAY TO THE MIDDLE OF BLACKEN BAY. ALSO PERCEPTIBLE WAS A SLIGHT IMPROVEMENT IN WATER QUALITY OVER THE YEARS. THE PUBLICATION PROVIDES ENGLISH AND SWEDISH SUMMARIES.

SWEDEN
ST( )

THE BY FJORD: SEDIMENTS, SEDIMENTATION AND GEOCHEMISTRY (STATENS NATURVARDSVERK PM 564)
OLAUSSON, ERIC
SWEDISH
WATER
EPA
00/00/75 PGS 1-30 ID# 02912A

THIS PUBLICATION DISCUSSES A STUDY OF THE SEDIMENTS, SEDIMENTATION, AND GEOCHEMICAL FEATURES OF THE BY FJORD, A BODY OF WATER OFF THE CITY OF UDDEVALLA, 80 KILOMETERS NORTH OF GOTEBORG. THE FJORD'S BOTTOM WATER IS STAGNANT AND HAS BEEN SO FOR THE LAST TWO TO THREE THOUSAND YEARS. AFTER A GENERAL ORIENTATION INTO THE CHARACTERISTICS OF THE FJORD, THE BOOKLET DEVOTES SECTIONS TO THE PURPOSE AND METHODS OF THE STUDY, THE RATE OF SEDIMENT ACCUMULATION, AND CARBON, NITROGEN, PHOSPHATE, AND HEAVY METAL (COBALT, NICKEL, LEAD, ZINC, COPPER, MERCURY) CONTENT. OTHER SECTIONS DISCUSS THE RATIOS OF CERTAIN ELEMENTS, FOR EXAMPLE CARBON AND NITROGEN, CARBON AND PHOSPHOROUS, AND COPPER AND ZINC. SWEDISH AND ENGLISH SUMMARIES PREFACE THE DISCUSSION. THE STUDY WAS PARTIALLY SUBSIDIZED BY A GRANT FROM THE RESEARCH COMMITTEE OF THE NATIONAL SWEDISH ENVIRONMENT PROTECTION BOARD.

EUR
SWEDEN
ST( )

THE BY FJORD: ECOLOGICAL INVESTIGATIONS ON ZOOPLANKTON, BENTHIC MEIO- AND MACROFAUNA AND BACTERIA (STATENS NATURVARDSVERK PM 568)
OLUNDH, EVA AND OTHERS
SWEDISH WATER 00/00/75 PGS 1-94 EPA ID# 02913A

THIS PUBLICATION DESCRIBES INVESTIGATIONS CONDUCTED IN THE BY FJORD, A POLLUTED SILL FJORD OFF THE COAST OF THE CITY OF UDDEVALLA, IN THE YEARS 1970-1973. SEPARATE SECTIONS OF THE BOOKLET, EACH BY AN INDIVIDUAL AUTHOR, TREAT: 1) ZOOPLANKTON, 2) BENTHIC MEIOFAUNA, 3) BENTHIC MACROFAUNA, AND 4) BACTERIA. A CONCLUDING DISCUSSION DEALS WITH: 1) THE FAUNA IN RELATION TO OXYGEN CONCENTRATION AND 2) BIOMASS AND SECONDARY PRODUCTION. SECTIONS ONE THROUGH THREE INCLUDE CONSIDERATION AMONG OTHER THINGS OF COMPOSITION AND NUMBER, DISTRIBUTION (VERTICAL AND FJORD-WIDE), BIOMASS, PRODUCTION, A.D SEASONAL VARIATIONS. BOTH PELAGIC AND SEDIMENT BACTERIA ARE DISCUSSED IN SECTION FOUR. THE PUBLICATION PROVIDES E GLISH AND SWEDISH SUMMARIES AS WELL AS A TABLE OF CONTENTS IN BOTH ENGLISH AND SWEDISH.

SWEDEN
ST( )

REGIONAL AND TEMPORAL DISTRIBUTION OF PHYTOPLANKTON IN LAKE MALAREN 1965-1972 (STATENS NATURVARDSVERK PM 526)
TIREN, TORBJORN
SWEDISH WATER 00/00/74 PGS 1-60 EPA ID# 02916A

THIS PUBLICATION REVIEWS REGIONAL AND TEMPORAL VARIATIONS OF PHYTOPLANKTON IN CENTRAL SWEDEN'S LAKE MALAREN DURING THE PERIOD 1965-1972. RESULTS FOR 11 LOCATIONS REPRESENTING ALL PARTS OF THE LAKE ARE PRESENTED IN THE FORM OF DIAGRAMS. THE QUANTITY AND RELATIVE COMPOSITION OF INDIVIDUAL SAMPLES PLUS THE MEAN VALUES FOR AN INDIVIDUAL YEAR AND FOR THE ENTIRE EIGHT-YEAR PERIOD ARE GIVEN. THE RELATIONSHIP BETWEEN PHYTOPLANKTON BIOMASS AND PHOSPHORUS AND NITROGEN CONTENT OF THE AREAS OF THE LAKE ARE DISCUSSED. THE PUBLICATION PROVIDES SWEDISH AND ENGLISH SUMMARIES AND A BIBLIOGRAPHY.

SWEDEN
ST( )

CONTROLLING THE BROAD TAPEWORM, DIPHYLLOBORTHRIUM LATUM (L.) (STATENS NATURVARDSVERK PM 460)
ALMER, BRODDE
SWEDISH WATER 00/00/74 PGS 1-30 EPA ID# 02917A

THIS PUBLICATION DISCUSSES THE SPREAD AND SUBSEQUENT CONTROL OF THE BROAD TAPEWORM IN LAKE SALBOSJON (COUNTY OF ORFBRO) AND LAKE IVOSJON (NEAR KRISTIANSTAD IN SOUTHERN SWEDEN). HUMANS ARE INFECTED PRIMARILY BY EATING RAW OR SEMIRAW FISH DELICACIES (FOR EXAMPLE, CERTAIN TYPES OF CAVIAR) OR POORLY COOKED FISH. PRIMARY SOURCES OF THE PARASITE EGGS WERE FOUND TO BE OLD-FASHIONED LOCAL PURIFICATION PLANTS OR PRIVATE HOMES. PLANKTONIC CRUSTACEANS AND FRESHWATER FISH SERVED AS INTERMEDIATE HOSTS. IN 1965-1966, IT WAS FOUND THAT IN LAKE IVOSJON THE INFECTIONS ORGINATED IN THE TOWN OF OLOFSTROM. AFTER A PROVISIONAL PURIFICATION PLANT WAS BUILT IN THIS TOWN IN 1968 AND A CHEMICAL PURIFICATION PLANT WAS ESTABLISHED IN THE TOWN OF JAMSHOG IN 1970, THE INFECTION RATE OF FISH IN LAKE IVOSJON DROPPED CONSIDERABLY AS DID THE NUMBER OF LARVAE PER FISH. STUDIES OF THE JAMSHOG PURIFICATION PLANT IN 1972-1973 SHOWED AN ALMOST 100 PERCENT REDUCTION OF PARASITE EGGS. THE BOOKLET PROVIDES ENGLISH AND SWEDISH SUMMARIES AND A BIBLIOGRAPHY.

EUR
SWEDEN
ST( )

"ACIDIFICATION'S EFFECTS ON WEST COAST LAKES." STATENS NATURVARDSVERK PUBLIKATION 1973:7
HORNSTROM, EINAR AND OTHERS
SWEDISH 00/00/73 PGS 1-97 EPA ID# 02967A
ALSO PMB
WATER

THIS PUBLICATION STATES THAT IN LATE FALL 1970 AND SPRING 1971 OVER 300 LAKES IN THE WEST COAST REGION OF SWEDEN WERE STUDIED. THIS BOOKLET DISCUSSES A REPRESENTATIVE 50 OF THESE LAKES. QUALITATIVE AND QUANTITATIVE PHYTOPLANKTON ANALYSES WERE PERFORMED IN THE SAMPLES FROM THE LAKES, AND OVER 200 SPECIES WERE IDENTIFIED. THE RELATIONSHIP BETWEEN THE OCCURRENCE OF VARIOUS SPECIES AND THE WATER PH WAS OBSERVED. 49 SPECIES OF ZOOPLANKTON WERE FOUND, AND THEIR RELATIONSHIP TO WATER PH EXAMINED. NO QUANTITATIVE ANALYSES WERE MADE. CHANGES IN DIATOM IN THE UPPER SEDIMENT LAYERS OF THE LAKE STORE SKARSJON WERE NOTED, WHICH MAY BE THE RESULT OF LAKE ACIDIFICATION. THE CHEMISTRY OF THE EXAMINED LAKES WAS INVESTIGATED, AND PH IN OVER 30 PERCENT FOUND LOWER THAN 5. A GENERAL LOWERING OF PH BY 1.8 UNITS SINCE THE 1930'S WAS OBSERVED. THE BOOKLET INCLUDES AN ENGLISH ABSTRACT AND BIBLIOGRAPHIES FOLLOWING EACH OF THE INDIVIDUAL SECTIONS ON PHYTOPLANKTON AND ZOOPLANKTON, DIATOMS, AND CHEMISTRY.

SWEDEN
ST( )

ENVIRONMENTAL EFFECTS OF HEATED EFFLUENT FROM POWER STATIONS
(CURRENT SWEDEN: ENVIRONMENT PLANNING AND CONSERVATION, NO. 56)
EMMELIN, LARS
ENGLISH 09/00/75 PGS 1-4 EPA ID# 03128A
WATER

THE ENVIRONMENTAL PROBLEM OF COOLING WATER EMITTED FROM SWEDISH NUCLEAR POWER PLANTS IS DISCUSSED IN THIS PAMPHLET. ATTENTION HAS FOCUSED ON TWO ASPECTS: 1) THE POSSIBLE ENVIRONMENTAL DAMAGE DONE BY THE EFFLUENT AND 2) AN ALLEGED GREAT SOURCE OF ENERGY WHICH IS WASTED UNDER PRESENT TECHNOLOGY. SEVERAL STUDIES OF HEATED EFFLUENT DEALING WITH ITS EFFECTS ON POLLUTED WATERS, ON LIVING ORGANISMS, AND ON VARIOUS KINDS OF FISH HAVE BEEN CARRIED OUT. CHANGES IN THE SPECIES COMPOSITION OF NATURAL ALGAE POPULATIONS ACCOMPANIED BY A DECREASE OF COMMERCIALLY IMPORTANT FISH HAS BEEN OF PARTICULAR CONCERN. IN CONTRAST, HARDLY ANY STUDIES HAVE BEEN CONDUCTED ON THE SUBJECT OF HOW TO UTILIZE WASTED ENERGY. THERE ARE, HOWEVER, PLANS TO PIPE HOT WATER FROM A NUCLEAR POWER STATION IN SOUTHERN SWEDEN TO TWO ADJACENT CITIES.

EUR
SWITZERLAND
LR(A)

"FEB 7, 1972 GUIDELINES ON EMISSION LIMITS FOR INCINERATORS." BUNDESBLATT, NO. 15

GERMAN
AIR SOLID WASTE 04/14/72 PGS 1096-98 EPA ID# 01317A

THESE GUIDELINES, ISSUED BY THE FEDERAL MINISTRY OF THE INTERIOR ON THE RECOMMENDATION OF THE FEDERAL CLEAN AIR COMMISSION, APPLY TO INCINERATORS OF ANY SIZE FOR BURNING OF: DOMESTIC WASTES; WASTES CONTAINING ONLY SMALL PERCENTAGE OF INDUSTRIAL OR COMMERCIAL REFUSE; AND RESIDUES FROM PUBLIC SEWAGE PURIFICATION PLANTS. NOT COVERED ARE INCINERATORS USED PRINCIPALLY FOR BURNING INDUSTRIAL WASTES OR WASTES FROM HOSPITALS, ETC. INDIVIDUAL REQUIREMENTS STIPUALTE, AMONG OTHER THINGS: THAT REFUSE MUST BE STORED AND BURNT IN A MANNER SUCH AS TO PREVENT DAMAGE OR ANNOYANCE BY SMOKE, DUST OR ODOR; THAT FLUE GAS MUST BE BURNT OUT; AND THAT INCINERATORS MUST BE EQUIPPED WITH CHIMNEYS. ALSO STIPULATED ARE THE AMOUNTS OF DUSTS PERMITTED TO BE PRESENT IN INCINERATOR WASTE GASES. LIMITATIONS ARE ALSO PLACED ON THE OPEN BURNING OF REFUSE OR THE BURNING OR REFUSE IN DOMESTIC, COMMERCIAL OR INDUSTRIAL FURNACES.

SWITZERLAND
LR(A)

"FEB. 7, 1972 GUIDELINES ON EMISSION LIMITS FOR FIREPLACES." BUNDESBLATT, NO. 15

GERMAN
AIR 04/14/72 PGS 1099 EPA ID# 01318A

THESE GUIDELINES, ISSUED BY THE FEDERAL MINISTRY OF THE INTERIOR ON THE RECOMMENDATION OF THE FEDERAL CLEAN AIR COMMISSION, APPLY TO ALL TYPES OF FIREPLACES. THEY STIPULATE THAT ONLY DRY WOOD OR CHARCOAL MAY BE BURNT IN FIREPLACES AND EXPRESSLY FORBID THE BURNING OF PAPER AND REFUSE. WITH REAGRD TO FIREPLACE CONSTRUCTION, IT IS STIPULATED THAT FIREPLACES MUST BE CONSTRUCTED IN SUCH A WAY THAT SUFFICIENT AMOUNTS OF FRESH AIR ARE ADMITTED AT THE SAME TIME THAT ALL FUMES ARE CARRIED OFF THROUGH THE CHIMNEY AND THAT NO POLLUTION OF INTERIOR AIR TAKES PLACE.

SWITZERLAND
LR(A)

"FEB. 7, 1972 GUIDELINES ON EMISSION LIMITS FOR DOMESTIC AND INDUSTRIAL FURNACES." BUNDESBLATT, NO. 15

GERMAN
AIR 04/14/72 PGS 1089-1094 EPA ID# 01319A

THESE GUIDELINES, ISSUED BY THE FEDERAL MINISTRY OF THE INTERIOR ON THE RECOMMENDATION OF THE FEDERAL COMMISSION FOR CLEAN AIR, APPLY TO HEATING FURNACES AND FURNACES FOR PRODUCING STEAM, HOT WATER OR ELECTRICITY, WHICH EMPLOY LIQUID, SOLID OR GASEOUS FUELS. THEY DO NOT APPLY TO INSTALLATIONS IN WHICH SOLID, LIQUID OR GASEOUS WASTES ARE USED AS FUEL OR IN WHICH GOODS ARE PROCESSED THROUGH DIRECT CONTACT WITH FURNACE WASTE GASES. VARIOUS SECTIONS OF THE GUIDELINES DEAL WITH: FURNACE SIZE JUDGED IN TERMS OF FUEL CONSUMPTION CAPACITY; CHIMNEY DESIGN, ESPECIALLY WITH REGARD TO EXHAUST APERTURE; AND EMISSION LIMITS IN TERMS OF FURNACE CAPACITY AND TYPE OF FUEL USED. AN APPENDIX DETAILS METHODS AND TESTING PROCEDURES FOR DETERMINING FUEL QUALITY.

EUR
SWITZERLAND
LR(A)

"THE FEDERAL CONSTITUTION." DISPOSITIONS DU DROIT FEDERAL APPLICABLES A LA PROTECTION DE L'ENVIRONNEMENT
SWITZERLAND. FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION EPA
FRENCH 08/00/72 PGS 1-4 ID# 01360A
AIR WATER NOISE RADIATION

THIS SOURCE REPRINTS SECTIONS OF THE TEXT OF THE SWISS FEDERAL CONSTITUTION AND FEDERAL LEGISLATION PERTINENT TO ENVIRONMENTAL CONTROL. ARTICLE 22 OF THE CONSTITUTION HAS MARGINAL IMPLICATIONS IN THAT IT AUTHORIZES THE CONFEDERATION TO EXPROPIATE PROPERTY OR RESTRICT ITS USE IN THE PUBLIC INTEREST. ARTICLE 24 GRANTS TO THE CONFEDERATION LEGISLATIVE PREROGATIVES IN THE PROTECTION OF GROUND AND SURFACE WATERS, WITH EXECUTION LEFT TO THE CANTONS. THIS ARTICLE ALSO AUTHORIZES THE CONFEDERATION TO ISSUE DIRECTIVES ON PROTECTION AGAINST THE DANGERS OF IONIZING RADIATION. ARTICLE 24 ALSO GIVES THE CONFEDERATION THE RIGHT TO LEGISLATE ON MATTERS DEALING WITH THE PROTECTION OF MAN AND HIS ENVIRONMENT, PARTICULARLY AS REGARDS AIR POLLUTION AND NOISE, WITH EXECUTION INCUMBENT ON THE CANTONS UNLESS A PARTICULAR LAW RESTRICTS EXECUTION TO THE FEDERAL GOVERNMENT. OTHER ARTICLES BEAR PERIPHERALLY ON ENVIRONMENTAL PROTECTION. THEY ARE CONCERNED WITH THE PROTECTION OF WORKERS, THE REGULATION OF TRANSPORTATION, AND PURE FOOD LEGISLATION.

SWITZERLAND
LR(A)

"DEC. 19, 1958 FEDERAL LAW ON HIGHWAY TRAFFIC." DISPOSITIONS DU DROIT FEDERAL APPLICABLES A LA PROTECTION DE L'ENVIRONNEMENT
SWITZERLAND. FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION EPA
FRENCH 08/00/72 PGS 5 ID# 01361A
AIR NOISE

THIS SOURCE, SUMMARIZING SWISS FEDERAL LEGISLATION ON THE ENVIRONMENT, REPRODUCES THOSE ARTICLES OF THE MARCH 13, 1964 FEDERAL LAW ON HIGHWAY TRAFFIC THAT ARE APPLICABLE TO ENVIRONMENTAL PROTECTION. ARTICLE 8 PROVIDES THAT THE FEDERAL COUNCIL MAY ISSUE DIRECTIVES ON THE CONSTRUCTION AND EQUIPPING OF AUTOMOTIVE VEHICLES AND THEIR TRAILERS WITH REGARD TO TRAFFIC SAFETY AND THE PREVENTION OF NOISE, SMOKE, ODOR AND OTHER NOXIOUS AND DISAGREEABLE EFFECTS.

SWITZERLAND
LR(A)

"AUGUST 27, 1969 DECREE ON THE CONSTRUCTION AND EQUIPMENT OF ROAD VEHICLES."
RECUEIL OFFICIEL
EPA
FRENCH 00/00/69 PGS 841-945 ID# 013618
AIR NOISE

THIS DECREE, ISSUED BY THE FEDERAL COUNCIL IN PURSUANCE OF ARTICLES 8, 18, 25 AND 106 OF THE 1958 LAW ON ROAD TRAFFIC, SETS FORTH THE TECHNICAL REQUIREMENTS FOR OBSERVANCE BY THE DESIGNATED AUTOMOBILE VEHICLES. PRESCRIPTIONS WHICH APPLY TO THE GENERAL CONSTRUCTION AND EQUIPMENT OF VEHICLES INCLUDE ENVIRONMENTALLY ORIENTED DIRECTIVES CONCERNED WITH THE PREVENTION OF NOISE, SMOKE AND GAS EMISSIONS. OTHER PROVISIONS OF THE DECREE COVER INSPECTION AND REGISTRATION PROCEDURES, AS WELL AS PENAL MEASURES FOR OFFENSES. AN ANNEX DETAILS THE MEASUREMENT AND TESTING METHODS FOR USE IN OFFICIAL APPROVAL OPERATIONS.

EUR
SWITZERLAND
LR(A)

"MARCH 13, 1964 FEDERAL LABOR LAW." DISPOSITIONS DU DROIT FEDERAL APPLICABLES A LA PROTECTION DE L'ENVIRONNEMENT
SWITZERLAND. FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION EPA
FRENCH 08/00/72 PGS 4-5 ID# 01362A
AIR NOISE

THIS SOURCE, SUMMARIZING SWISS FEDERAL LEGISLATION ON THE ENVIRONMENT, REPRODUCES THOSE ARTICLES OF THE MARCH 13, 1964 FEDERAL LABOR LAW THAT ARE AT LEAST MARGINALLY APPLICABLE TO ENVIRONMENTAL PROTECTION AS IT CONCERNS THE WORK ENVIRONMENT. ARTICLE 6 OF THIS LAW OBLIGES EMPLOYERS TO PROTECT THE LIFE AND HEALTH OF THEIR EMPLOYEES AND SHELTER NEIGHBORING AREAS FROM THE NOXIOUS AND DISAGREEABLE EFFECTS OF THE ENTERPRISE BY TAKING ALL PRECAUTIONS THAT THE STATE OF TECHNOLOGY PERMITS, GIVEN THE CIRCUMSTANCES OF THE PARTICULAR OPERATION. EMPLOYERS ARE ALSO REQUIRED TO CONDUCT THEIR OPERATIONS AND WORK PATTERNS SO AS TO PREVENT ACCIDENTS, ILLNESSES, AND FATIGUE. ARTICLE 7 OBLIGES WORKERS TO ASSIST THEIR EMPLOYERS IN CARRYING OUT MEASURES TO PROMOTE INDUSTRIAL HYGIENE AND REDUCE ACCIDENTS. ARTICLE 8 OF THE FEDERAL LABOR LAW REQUIRES THAT PRIOR TO THE CONSTRUCTION OR MODIFICATION OF INDUSTRIAL FACILITIES CONSTRUCTION PLANS BE SUBMITTED TO THE CANTON GOVERNMENT FOR APPROVAL. FEDERAL AND CANTONAL REGULATIONS MUST FIRST BE MET.

SWITZERLAND
LR(A)

"DECEMBER 10, 1970 SWISS CIVIL CODE." DISPOSITIONS DU DROIT FEDERAL APPLICABLES A LA PROTECTION DE L'ENVIRONNEMENT
SWITZERLAND. FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION EPA
FRENCH 08/00/72 PGS 4 ID# 01363A
AIR NOISE

THIS SOURCE, SUMMARIZING SWISS FEDERAL LEGISLATION ON THE ENVIRONMENT, REPRODUCES THOSE ARTICLES OF THE DECEMBER 10, 1970 SWISS CIVIL CODE PERTINENT TO ENVIRONMENTAL RESTRAINT. ARTICLE 684 BINDS PROPRIETORS IN THE EXERCISE OF THEIR RIGHTS OF OWNERSHIP, ESPECIALLY IN INDUSTRIAL EXPLOITATION ACTIVITIES, TO REFRAIN FROM ANY EXCESSES TO THE DETRIMENT OF NEIGHBORING PROPERTY. PARTICULARLY FORBIDDEN ARE SMOKE AND SOOT EMISSIONS, DISAGREEABLE EXHALATIONS, NOISES AND VIBRATIONS HAVING A DAMAGING EFFECT OR EXCEEDING TOLERABLE LIMITS. ARTICLE 679 PERMITS SUITS AT LAW AGAINST PROPRIETORS WHO HAVE EXCEEDED THEIR OWNERSHIP RIGHTS IN THIS CONTEXT BY THOSE WHO HAVE BEEN AGGRIEVED OR THREATENED BY THOSE EXCESSES.

EUR
SWITZERLAND
LR(A)

"THE DECEMBER 17, 1971 FEDERAL LAW AMENDING THE LAW ON AIR NAVIGATION."
RECUEIL OFFICIEL

EPA
FRENCH 00/00/73 PGS 1738-50 ID# 01364E
AIR NOISE

THIS AMENDMENT, ISSUED BY THE FEDERAL ASSEMBLY, INSTITUTES A NUMBER OF MODIFICATIONS TO THE LAW ON AERIAL NAVIGATION. ARTICLE 12 OF THE LAW, WHICH AUTHORIZES THE FEDERAL COUNCIL TO ISSUE DECREES REGULATING THE USE OF AIR SPACE TO SAFEGUARD AIR NAVIGATION AND PREVENT NOISE AND AIR POLLUTION ASSOCIATED WITH AIRCRAFT OPERATION, IS AMENDED TO REQUIRE THE CONSULTATION OF CANTONAL GOVERNMENTS PRIOR TO ISSUANCE. PROSCRIPTIONS IN ARTICLE 14 ARE ALSO AMENDED AND INCLUDE A BAN ON SUPERSONIC FLIGHTS WITHIN SWISS AIR LIMITS. A NUMBER OF ADDITIONAL PROVISIONS CONCERN LICENSING PROCEDURES FOR COMMERCIAL AIR NAVIGATION RIGHTS, ZONING CONSTRUCTION RESTRICTIONS, AND AIRCRAFT REGISTRATION. ABROGATED BY THE PROVISIONS OF THIS AMENDMENT ARE ARTICLES 19, 20 AND 49.

SWITZERLAND
LR(A)

"MARCH 21, 1973 FEDERAL DECREE FOR THE IMPLEMENTATION OF THE AGREEMENT ON MOTOR VEHICLE EQUIPMENT AND PARTS." RECUEIL OFFICIEL

EPA
FRENCH 00/00/73 PGS 1466-1512 ID# 03367A
AIR NOISE

THIS DECREE AUTHORIZES THE SWISS FEDERAL COUNCIL TO APPROVE OR REJECT THE PROVISIONS OF THE MARCH 20, 1958 AGREEMENT CONCERNING THE ADOPTION OF UNIFORM CONDITIONS OF APPROVAL AND RECIPROCAL RECOGNITION OF APPROVAL FOR MOTOR VEHICLE EQUIPMENT AND PARTS, AS WELL AS TO ADHERE TO THE REGULATIONS WHICH ARE APPENDED TO THIS AGREEMENT. APPENDED TO THE DECREE ARE: 1) A COPY OF THE AGREEMENT, WHICH PROVIDES FOR THE DRAFTING OF SUPPLEMENTARY REGULATIONS DESIGNATING THE SPECIFIC PART OR EQUIPMENT IN QUESTION AND THE CONDITONS TO BE MET; AND 2) A COPY OF REGULATION NO. 15 ON UNIFORM PROVISIONS CONCERNING THE APPROVAL OF VEHICLES EQUIPPED WITH A POSITIVE-IGNITION TYPE ENGINE WITH REGARD TO THE EMISSION OF GASEOUS POLLUTANTS BY THE ENGINE, WHICH CONTAINS PRESCRIPTIONS CONCERNING THE APPLICATION FOR TYPE APPROVAL AND SPECIFICATIONS FOR TESTS TO BE PERFORMED.

EUR
SWITZERLAND
LR(A)

DECREE OF THE FEDERAL COUNCIL CREATING AN OFFICE OF THE PROTECTION OF THE ENVIRONMENT IN THE FEDERAL DEPARTMENT OF THE INTERIOR OF MAY 26, 1971
EPA
FRENCH 05/26/71 PGS 2 ID# 00372A
GENERAL

THIS DECREE DEFINES THE 12 PRINCIPAL TASKS OF THE OFFICE FOR THE PROTECTION OF THE ENVIRONMENT IN THE FEDERAL DEPARTMENT OF THE INTERIOR IN TERMS OF PREPARING LEGISLATION, IMPLEMENTING LAWS, COORDINATING AND COLLABORATING WITH LOCAL ADMINISTRATIVE SERVICES, INFORMING THE PUBLIC AND COOPERATING IN THE INTERNATIONAL FIELD TOWARD THE PROTECTION OF THE NATURAL ENVIRONMENT, PROTECTING WATER, FISH, MAINTENANCE OF AIR WHOLESOMENESS, AS WELL AS PARTICIPATING IN THE STRUGGLE AGAINST NOISE.

SWITZERLAND
LR(A)

"JUNE 24, 1971 FEDERAL ORDER ON THE REFERENDUM ON CONSTITUTIONAL PROVISIONS ON THE PROTECTION OF MAN AND HIS ENVIRONMENT." SAMMLUNG DER EIDGENOESSICHEN GESETZE
EPA
GERMAN 00/00/71 PGS 905-906 ID# 01314A
GENERAL

THIS ORDER, THE FULL TITLE OF WHICH IS "JUNE 24, 1971 FEDERAL ORDER ON THE RESULT OF THE JUNE 6, 1971 REFERENDUM ON THE FEDERAL ORDER INTRODUCING INTO THE FEDERAL CONSTITUTION AN ARTICLE ON PROTECTION OF MAN AND HIS NATURAL ENVIRONMENT AGAINST HARMFUL OR TROUBLESOME INFLUENCES." ADDS TO THE FEDERAL CONSTITUTION AN ARTICLE 24 WITH THE FOLLOWING PROVISIONS: (1) THE CONFEDERATION SHALL LEGISLATE ON THE PROTECTION OF MAN AND HIS NATURAL ENVIRONMENT AGAINST HARMFUL OR TROUBLESOME INFLUENCES TO WHICH THEY ARE SUBJECT. IN PARTICULAR IT SHALL CONTROL AIR POLLUTION AND NOISE; (2) THE RESPONSIBILITY FOR ENFORCING THE FEDERAL PROVISIONS SHALL REST WITH THE CANTONS, EXCEPT WHERE SUCH ENFORCEMENT IS RESERVED BY LAW TO THE CONFEDERATION.

SWITZERLAND
LR(B)

"TECHNOLOGY AND LEGISLATION." ZEITSCHRIFT FUER SCHWEIZERISCHES RECHT, V. 90, NO. 1971 (I)
RAUSCH, HERIBERT
EPA
GERMAN 00/00/71 PGS 89-96 ID# 01337A
ALSO PMA
GENERAL AIR WATER

THIS ESSAY, APPEARING IN A SWISS LEGAL JOURNAL, EXAMINES THE PROBLEMS THAT LAWMAKERS FACE VIS-A-VIS MODERN TECHNOLOGY IN THEIR EFFORTS TO LIMIT ENVIRONMENTAL DETERIORATION BROUGHT ON BY THAT VERY TECHNOLOGY. THE AUTHOR DISCUSSES THE NEED FOR STUDIES ON LEGISLATIVE MECHANISMS TO INFLUENCE THE COURSE OF TECHNOLOGY, THE UNCERTAINITY ASSOCIATED WITH TECHNICAL AND SCIENTIFIC PROGNOSES, THE RELATIVE BACKWARDNESS OF THE BIOLOGICAL SCIENCES, THE INFLEXIBILITY OF TECHNICAL DEVELOPMENT PROCESSES, THE AMOUNTS OF INVESTMENT IN THESE PROCESSES, THE SUITABILITY OF LEGAL MECHANISMS TO INFLUENCE TECHNOLOGICAL PROJECTS ESPECIALLY AS REGARDS LIABILITY, CRIMINAL LAW PROVISIONS, AND PROPERTY PROTECTION. HE CONCLUDES THAT LEGISLATORS MUST HAVE A VOICE IN THE SHAPING OF THE INDIVIDUAL ASPECTS OF TECHNOLOGY, I.E. AT THE DRAWING-BOARD STAGE AS WELL AS AT THE ASSEMBLY LINE. TO HAVE ACCESS TO THE NECESSARY STOREHOUSE OF EXPERTISE, LEGISLATORS SHOULD HAVE RECOURSE TO A STANDING BODY OF EXPERTS, SUCH AS A TECHNOLOGY ASSESSMENT BOARD. AN AMERICAN PROPOSAL

EUR
SWITZERLAND
LR(8)

"SELECTED QUESTIONS ON ENVIRONMENTAL PROTECTION LEGISLATION - PRESENTED RELATIVE TO THE PRELIMINARY DRAFT OF THE EXPERT COMMISSION." UMWELTSCHUTZ IN DER SCHWEIZ
SWITZERLAND. FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION EPA
GERMAN 00/00/74 PGS 91-96 ID# 02386A
GENERAL

THIS ARTICLE, BY GEORG ISELIN, A SPOKESMAN OF THE LEGAL SERVICE OF THE FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION, DISCUSSES ASPECTS OF THE PRELIMINARY DRAFT OF A GENERAL ENVIRONMENTAL LAW PREPARED BY AN EXPERT COMMITTEE FORMED BY THE MINISTRY OF THE INTERIOR. PROPOSED IS A COMPREHENSIVE FRAMEWORK LAW SETTING BASIC GOALS AND STANDARDS AND EMPOWERING THE FEDERAL COUNCIL TO ISSUE REGULATIONS FOR IMPLEMENTATION. THIS IS TO INSURE GREATER WORKING FLEXIBILITY. THE DRAFT DEFINES THE ENVIRONMENT TO BE PROTECTED AND REQUIRES MINIMALLY THAT POLLUTION SHALL NOT BE INCREASED AND WHERE POSSIBLE SHALL BE REDUCED. SECTIONS DEAL WITH AIR, NOISE AND VIBRATIONS, LAND AND OTHER BASES OF LIFE, SOLID WASTE MANAGEMENT AND PHYSICAL ENVIRONMENTAL PROTECTION. PROBLEMS AND DUTIES OF THE FEDERAL GOVERNMENT AND THE CANTONS RELATIVE TO THE PROGRAM AREAS ARE OUTLINED. THE "POLLUTER PAYS" PRINCIPLE IS ENDORSED, AND A FEE SYSTEM THOUGHT ADVISABLE. UNDER THE PROPOSAL THE FEDERAL COUNCIL WOULD SET STANDARDS OR ESTABLISH PERMIT SYSTEMS.

SWITZERLAND
LR(8)

"LAND USE PLANNING AND ENVIRONMENTAL PROTECTION." JAHRBUCH FUER UMWELTSCHUTZ 1973. FACHBUCH FUER ALLE BEREICHE DES UMWELTSCHUTZES
SHUERMANN, LEO EPA
GERMAN PGS 147-150 ID# 02394A
ALSO PMA/*AFTER AUTUMN 1973
GENERAL

THIS ARTICLE DISCUSSES THE MAY 31, 1972 LAND USE PLANNING BILL OF THE SWISS FEDERAL COUNCIL AS WELL AS THE GENERAL RELATIONSHIP BETWEEN LAND PLANNING AND ENVIRONMENT. THE BILL, BASED ON THE PRINCIPLE OF "CENTRALIZED DECENTRALIZATION," PROVIDES FOR ZONING LAND INTO AREAS TO BE DEVELOPED AND AREAS NOT TO BE DEVELOPED. AREAS WOULD BE ZONED FOR RESIDENTIAL, AGRICULTURAL, SYLVICULTURAL, RECREATIONAL OR OTHER PURPOSES. CERTAIN NATURAL REGIONS WOULD BE DESIGNATED AS PROTECTED AREAS. GUIDELINES WOULD ALSO CALL FOR PLANNING IN THE AREAS OF TRANSPORTATION, PUBLIC SERVICES (WATER, ENERGY, SEWAGE AND WASTE DISPOSAL), PUBLIC STRUCTURES AND FACILITIES. CANTONS WOULD HAVE MAJOR RESPONSIBILITY FOR IMPLEMENTATION, AND THE FEDERAL GOVERNMENT WOULD COORDINATE AND PERFORM FUNCTIONS BEST SUPERVISED ON A NATIONAL LEVEL. THE ARTICLE CONCLUDES THAT LAND PLANNING WOULD THUS BOTH HELP TO REALIZE ENVIRONMENTAL PRCTECTION AND SERVE AS A FRAMEWORK FOR IT.

EUR
SWITZERLAND
LR(B)

"ABOUT THE CONTRIBUTION OF THE FEDERAL GOVERNMENT IN THE AREA OF PROTECTING THE COUNTRYSIDE." JAHRBUCH FUER UMWELTSCHUTZ 1973. FACHBUCH FUER ALLE BEREICHE DES UMWELTSCHUTZES
HUNZICKER, THEO EPA
GERMAN PGS 140-146 ID# 02399A
ALSO PMB/*AFTER AUTUMN 1973
GENERAL

THIS ARTICLE REPORTS THAT THE ROLE OF THE FEDERAL GOVERNMENT IN PROTECTION OF NATURE AND THE NATIONAL HERITAGE IS BASED ON ARTICLE 24 (6) OF THE FEDERAL CONSTITUTION. ARTICLE 24 RESERVES TO THE CANTONS PRIMARY RESPONSIBILITY IN THIS AREA BUT AUTHORIZES THE FEDERAL GOVERNMENT TO ACT IN SPECIFIED INSTANCES OF NATIONAL INTEREST. THE FEDERAL LAW ON PROTECTION OF NATURE AND THE CULTURAL HERITAGE AND ITS IMPLEMENTING REGULATION, BOTH OF WHICH BECAME EFFECTIVE JANUARY 1, 1967, PROVIDE THAT THE FEDERAL GOVERNMENT MUST TAKE INTO ACCOUNT NATURAL AND CULTURAL SITES IN ISSUING LEGISLATION AND PERFORMING DUTIES SUCH AS ROAD-BUILDING, GRANTING OF PERMITS AND OF FUNDS. IT MAY ALSO PROVIDE SUBSIDIES FOR UPKEEP OF SUCH SITES AND TAKE DIRECT PREVENTIVE ACTION IN SOME CASES. THE GOVERNMENT IS OBLIGATED TO ESTABLISH AN INVENTORY OF SUCH OBJECTS AND CONSULT IT IN PLANNING NATIONAL PROJECTS. THE LAW ESTABLISHES A FEDERAL SECTION FOR PROTECTION AND THE NATIONAL HERITAGE WITH PRIMARILY ADMINISTRATIVE FUNCTIONS.

SWITZERLAND
LR(B)

LES PROBLEMES D'ENVIRONNEMENT EN SUISSE (ENVIRONMENTAL PROBLEMS IN SWITZERLAND)
EPA
FRENCH 00/00/72 PGS 1-40 ID# 02498A
ALSO PMB
GENERAL

THIS REPORT, PREPARED FOR THE 1972 UNITED NATIONS CONFERENCE ON THE HUMAN ENVIRONMENT IN STOCKHOLM, SUMMARIZES SWITZERLAND'S PRINCIPAL ENVIRONMENTAL PROBLEMS AND OUTLINES THE REMEDIAL ACTIONS UNDERTAKEN BY THE FEDERAL GOVERNMENT IN RESPONSE TO THESE PROBLEMS. PROBLEM AREAS (AIR, WATER, LANDSCAPE) ARE REVIEWED IN SEPARATE SECTIONS WHICH DESCRIBE THE SPECIFIC ENVIRONMENTAL THREATS, THE LEGISLATIVE RESPONSES, THE PROCESS OF LEGISLATIVE IMPLEMENTATION, AND THE RESULTING GENERAL CONDITIONS. FINAL CONSIDERATIONS INCLUDE THE FINANCIAL AND ECONOMIC ASPECTS OF THESE PROBLEMS AS WELL AS AN OVERVIEW OF THE RESEARCH BEING CONDUCTED.

EUR
SWITZERLAND
LR(B)

REPORT ON THE WORK OF THE COMMISSION AND ON THE FEDERAL PRELIMINARY DRAFT LAW FOR THE PROTECTION OF THE ENVIRONMENT
SWITZERLAND. FEDERAL ENVIRONMENTAL PROTECTION OFFICE EPA
FRENCH 12/18/73 PGS 1-113 ID# 02659A
GENERAL

THIS REPORT, PREPARED BY THE SWISS FEDERAL ENVIRONMENTAL PROTECTION OFFICE, COMMENTS ON A FEDERAL PRELIMINARY DRAFT LAW FOR THE PROTECTION OF THE ENVIRONMENT SUBMITTED ON NOVEMBER 18, 1973 BY A COMMISSION OF EXTRA-PARLIAMENTARY EXPERTS. THE INTRODUCTORY SECTION EXAMINES THE CURRENT STATUS OF SWISS ENVIRONMENTAL LEGISLATION, WHICH IS SHOWN TO PROVIDE ONLY A PARTIAL APPROACH TO ENVIRONMENTAL PROBLEMS. THE ALTERNATIVE OFFERED BY THE PRELIMINARY BILL CONSISTS OF A GENERAL COMPREHENSIVE APPROACH TO THE TREATMENT OF ENVIRONMENTAL MATTERS. THE FINAL SECTION OF THE REPORT COMMENTS ON THE IMPLICATIONS, APPLICABILITY AND SCOPE OF EACH OF THE ARTICLES CONTAINED IN THE BILL. APPENDED TO THE REPORT IS A COPY OF THE DRAFT LAW, WHICH ENCOMPASSES BOTH GENERAL AND SPECIFIC PROVISIONS FOR ENVIRONMENTAL PROTECTION MEASURES, AS WELL AS PROVISIONS FOR THE ORGANIZATION AND EXECUTION OF ENVIRONMENTAL PROTECTION AND RECOURSE TO JUDICIAL REMEDIES.

SWITZERLAND
LR(B)

LA SITUATION DE L'ENVIRONNEMENT EN SUISSE AU DEBUT DE 1976 -- LES PROJETS D'AVENIR (1976 SWISS ENVIRONMENTAL SITUATION --MEASURES PROJECTED FOR THE FUTURE)
SWITZERLAND. ENVIRONMENTAL PROTECTION OFFICE EPA
FRENCH 02/09/76 PGS 1-4 ID# 03358A
ALSO PMB
GENERAL AIR WATER SOLID WASTE

THIS REPORT, PREPARED BY THE SWISS FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION FOR PRESENTATION AT A FEBRUARY ECONOMIC COMMISSION FOR EUROPE ENVIRONMENTAL CONFERENCE OF ECONOMIC COUNCILLORS, EXAMINES THE ENVIRONMENTAL SITUATION IN SWITZERLAND AT THE START OF 1976 AND CERTAIN MEASURES UNDER CONSIDERATION FOR THE FUTURE. THE SECTORAL APPROACH USED IN THE PRESENTATION INCLUDES: A REVIEW OF THE NEW MOTOR VEHICLE REGULATIONS AND THE DIRECTIVES FOR DOMESTIC HEATING FACILITIES IN THE ENVIRONMENTAL SECTOR OF AIR POLLUTION; A DISCUSSION OF THE NEW ORDINANCE ON THE DISCHARGE OF WASTEWATERS AND THE COST OF CONSTRUCTING WASTEWATER TREATMENT PLANTS IN THE AREA OF WATER POLLUTION; AND A STATISTICAL STUDY OF AVAILABLE SOLID WASTE DISPOSAL SERVICES. ALSO CONSIDERED IN THE REPORT IS THE PROPOSED COMPREHENSIVE ENVIRONMENTAL BILL, WHICH IS STATED TO HAVE ENCOUNTERED OPPOSITION DURING ITS CONSULTATIVE PROCEEDINGS.

EUR
SWITZERLAND
LR(A)

LOI FEDERALE SUR L'AMENAGEMENT DU TERRITOIRE DU 4 OCTOBRE 1974 (OCTOBER 4, 1974 FEDERAL LAW ON LAND USE)

FRENCH 10/14/74 PGS 1-21 EPA ID# 02713A
LAND USE

PROVIDED FOR IN THE 71 ARTICLES OF THE OCTOBER 4, 1974 FEDERAL LAW ON LAND USE IS THE LOCAL AND FEDERAL ZONING OF LAND, AS WELL AS THE COORDINATION OF EFFORTS BY THE CANTONS AND THE FEDERAL GOVERNMENT. AMONG THE RESPONSIBILITIES OF THE CANTONS ARE THE ESTABLISHMENT OF GENERAL PLANS TO GOVERN THE UTILIZATION OF TERRITORY. ZONES PROVIDED FOR IN THE LAW INCLUDE AREAS DESIGNATED FOR URBAN DEVELOPMENT, AGRICULTURAL AND FORESTRY AREAS, RECREATIONAL AND PROTECTED AREAS, AS WELL AS AREAS WITHOUT SPECIAL PURPOSE. LOCAL PLANNING IN THE AREAS OF TRANSPORTATION, PUBLIC SERVICES AND FACILITIES IS ALSO COVERED. THROUGH THE CREATION OF A LAND-USE OFFICE, THE CONFEDERATION IS HELD RESPONSIBLE FOR NATIONAL COORDINATION AND SUPERVISION. (THE PROMULGATION OF THIS LAW HAS BEEN BLOCKED BY THE ACTION OF THE SWISS FEDERAL COUNCIL.)

SWITZERLAND
LR(A)

"JULY 16, 1971 ORDINANCE OF THE FEDERAL DEPARTMENT OF TRANSPORT AND ENERGY ON THE CONTROL OF AIRCRAFT NOISE AT THE SOURCE." SAMMLUNG DER EIDGENOESSISCHEN GESETZE

GERMAN 08/20/71 PGS 1168-72 EPA ID# 01364C
NOISE

THIS ORDINANCE DEALS WITH THE GRANTING OF NOISE CERTIFICATES TO SMALL PISTON-ENGINE EQUIPPED AIRCRAFT AND POWER GLIDERS WITH A TAKEOFF WEIGHT OF UP TO 5700 KG. VARIOUS ARTICLES: DETAIL THE CIRCUMSTANCES UNDER WHICH NOISE TESTS ARE TO BE MADE AND PROVIDE THAT AIRCRAFT OWNERS ARE TO PAY FOR SUCH TESTS; DESCRIBE THE CONTENTS OF THE NOISE CERTIFICATE; PRESENT TABLES SHOWING MAXIMUM PERMISSIBLE NOISE LEVELS FOR THE VARIOUS TYPES OF SMALL AIRCRAFT COVERED BY THE ORDINANCE; REQUIRE AIRCRAFT OWNERS TO TAKE ACTION TO REDUCE NOISE AND LIST THE LIMITATIONS TO BE IMPOSED ON AIRCRAFT FOR WHICH SUCH ACTION IS NOT FEASIBLE; GIVE THE CIRCUMSTANCES UNDER WHICH AIRCRAFT LICENSES CAN BE REVOKED; AND EMPOWER THE FEDERAL AIR OFFICE TO LIMIT THE USE OF SWISS AIRFIELDS TO FOREIGN AIRCRAFT NOT MEETING THESE NOISE STANDARDS; LOCAL AIRCRAFT NOISE REGULATIONS APPROVED BY THE FEDERAL AIR OFFICE REMAIN VALID, BUT SUCH REGULATIONS MAY NOT CHANGE THE MAXIMUM NOISE LEVELS PRESCRIBED HERE.

EUR
SWITZERLAND
LR(B)

INTERPRETATION ET APPLICATION DES VALEURS LIMITES POUR LE BRUIT
(INTERPRETATION AND IMPLEMENTATION OF MAXIMUM PERMISSIBLE NOISE LIMITS)
VERDAN, G.
FRENCH 00/00/74 PGS 1-12 EPA ID# 03365A
NOISE

THIS REPORT, PUBLISHED BY THE SWISS FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION, EXAMINES A NUMBER OF THE PROBLEMS OF INTERPRETATION AND IMPLEMENTATION WHICH HAVE ARISEN SINCE THE 1963 ISSUANCE OF MAXIMUM PERMISSIBLE NOISE LIMITS BY THE FEDERAL COMMISSION TO COMBAT NOISE. THE PROBLEM AREAS DISCUSSED IN THE REPORT CONCERN THE PRINCIPLES OF APPLICATION, THE SIGNIFICANCE OF SUGGESTED STANDARDS, THE CONCEPTS OF NIGHT AND DAY, THE ZONE CLASSIFICATION SYSTEM, AS WELL AS THE CONCEPTS OF BACKGROUND NOISE AND FREQUENT AND INFREQUENT PEAK POINTS. A SOLUTION TO THESE PROBLEMS IS STATED TO BE ESSENTIAL TO THE EVENTUAL COMPLETION OF THE ENVIRONMENTAL PROTECTION LAW STILL CURRENTLY UNDER CONSIDERATION. AN APPENDIX TO THE REPORT REPRODUCES THE 1963 STANDARD TABLE OF MAXIMUM NOISE LIMITS IN DB(A).

SWITZERLAND
LR(A)

"NOVEMBER 23, 1973 DECREE ON NOISE ZONES OF AIRPORTS OPERATED BY VIRTUE OF A LICENSE." RECUEIL OFFICIEL
FRENCH 00/00/73 PGS 1966-69 EPA ID# 03366A
NOISE

THIS DECREE, ISSUED BY THE FEDERAL DEPARTMENT OF TRANSPORTATION, COMMUNICATIONS AND ENERGY PURSUANT TO THE 1973 DECREE ON AIR NAVIGATION, SETS FORTH CONSTRUCTION RESTRICTIONS AND NOISE INSULATION REQUIREMENTS FOR THE THREE AIRPORT NOISE ZONES WHICH ARE DEFINED IN ITS PROVISIONS IN TERMS OF CALCULABLE AIRCRAFT NOISE LEVELS.

SWITZERLAND
LR(B)

MESURES PRISES ET TRAVAUX EN COURS SUR LE PLAN FEDERAL EN MATIERE DE LUTTE CONTRE LE BRUIT (CURRENT AND PAST FEDERAL MEASURES TO COMBAT NOISE)
FRENCH 00/00/75 PGS 1-13 EPA ID# 03369A
ALSO PHB
NOISE

THIS OFFICE OF ENVIRONMENTAL PROTECTION PUBLICATION SUMMARIZES THE LEGISLATIVE MEASURES WHICH HAVE BEEN UNDERTAKEN IN SWITZERLAND SINCE THE ISSUANCE IN 1962 OF A REPORT BY THE EXPERT COMMISSION TO COMBAT NOISE ON SUGGESTED MEASURES FOR ADOPTION. COVERED IN THE FIRST SECTION OF THE PUBLICATION ARE LEGISLATIVE MEASURES UNDERTAKEN WITH RESPECT TO THE FOLLOWING: AUTOMOBILE TRAFFIC, PUBLIC TRANSPORTATION, AIR NAVIGATION, THE BUILDING TRADE, INDUSTRY AND HANDICRAFTS, RESIDENTIAL INSULATION AND MAXIMUM NOISE LIMITS. THE SECOND SECTION OF THE PUBLICATION DEALS WITH THE EFFORTS CURRENTLY BEING DIRECTED AT: THE DRAFTING OF A COMPREHENSIVE ENVIRONMENTAL BILL INCORPORATING NOISE PROVISIONS; THE REDUCTION OF AUTOMOBILE NOISE AT THE SOURCE; AND THE FORMULATION OF NOISE STANDARDS FOR CONSTRUCTION EQUIPMENT AND AIRCRAFT.

EUR
SWITZERLAND
LR(A)

MAY 19,1969 FEDERAL INTERIOR MINISTRY ORDINANCE ON RESIDUES OF PESTICIDES AND PRESERVATIVES." SAMMLUNG DER EIDGENOESSICHEN GESETZE.

EPA
GERMAN 06/27/69 PGS 437-439 ID# 01320A
PESTICIDES

THIS ORDINANCE, MADE PURSUANT TO THE MAY 26, 1936 DECREE ON COMMERCE IN FOODSTUFFS AND COMMODITIES, DEALS WITH RESIDUES OF THE FOLLOWING SUBSTANCES IN OR ON FOODSTUFFS: PESTICIDES AND PRODUCTS USED TO COMBAT PLANT DISEASES AND WEEDS; OTHER AUXILIARY AGENTS USED IN VARIOUS VARIOUS ARTICLES DEAL WITH FACTORS TO BE TAKEN INTO CONSIDERATION IN CALCULATING THE MAXIMUM ALLOWABLE DAILY DOSAGE FOR VARIOUS SUBSTANCES; THE MAXIMUM PERMISSABLE CONCENTRATION OF SUCH SUBSTANCES ON MARKETED FOOD PRODUCTS; THE TREATMENT OF FOOD WAREHOUSES WITH AUXILLIARY AGENTS; THE EXAMINATION OF IMPORTED FOODSTUFFS; AND THE OBLIGATION TO PROVIDE DATA ON THE COMPOSITION OF SUCH SUBSTANCES AND AS WELL AS ON MEANS OF MEASURING THEM.

SWITZERLAND
LR(A)

"MAR 21, 1969 FEDERAL LAW ON TRADE IN POISONOUS SUBSTANCES (POISONOUS SUBSTANCES LAW)." SAMMLUNG DER EIDGENOESSISCHEN GESETZE

EPA
GERMAN 02/18/72 PGS 430-441 ID# 01321A
PESTICIDES

PROVISIONS OF THIS LAW APPLY, AMONG OTHER THINGS, TO TRADE IN POISONOUS SUBSTANCES USED FOR PEST CONTROL OR AS AUXILIARY MATERIALS IN AGRICULTURE. THE LAW PROVIDES FOR: A CLASSIFICATION OF POISONOUS SUBSTANCES BASED ON THEIR RELATIVE HARMFULNESS; THE GRANTING OF PERMISSION TO TRADE IN POISONOUS SUBSTANCES; AND THE ENCOURAGEMENT BY THE FEDERAL GOVERNMENT OF RESEARCH IN THE FIELD OF TOXICOLOGY, INCLUDING THE ESTABLISHMENT OF A TOXICOLOGY DOCUMENTATION CENTER. THE CANTONS ARE CHARGED WITH ENFORCEMENT OF THE LAW UNDER THE SURVEILLANCE OF THE FEDERAL GOVERNMENT, WHICH MAY ISSUE GUIDELINES FOR THIS PURPOSE. ALSO PROVIDED FOR ARE THE ESTABLISHMENT BY THE FEDERAL COUNCIL OF A FEDERAL COMMISSION ON POISONOUS SUBSTANCES AND THE APPOINTMENT BY THE FEDERAL INTERIOR DEPARTMENT OF AN EXPERT COMMITTEE ON POISONOUS SUBSTANCES. VARIOUS DUTIES ASSIGNED TO THE FEDERAL PUBLIC HEALTH SERVICE INCLUDE MAINTAINING THE LIST OF POISONOUS SUBSTANCES. (MAJOR PORTIONS OF THIS LAW ARE REPRODUCED IN ENGLISH, INT. DIG. OF HLTH. LEG., V. 23, 1972, PP. 800-807.)

EUR
SWITZERLAND
LR(A)

"DEC. 23, 1971 DECREE ON PROHIBITED POISONOUS SUBSTANCES." SAMMLUNG DER EIDGENOESSISCHEN GESETZE

GERMAN 02/18/72 PGS 474-76 EPA ID# 013218
PESTICIDES

THIS DECREE, MADE PURSUANT TO THE MAR. 21, 1969 FEDERAL LAW ON TRADE IN POISONOUS SUBSTANCES, SPECIFIED THE CONDITONS UNDER WHICH THE USE OF CERTAIN POISONOUS SUBSTANCES IS PROHIBITED. AMONG THE PROHIBITED SUBSTANCES LISTED ARE ARSENIC AND ITS COMPOUNDS IN PESTICIDES, AND THALLIUM AND ITS COMPOUNDS AS WELL AS STRYCHNINE IN RODENTICIDES.

SWITZERLAND
LR(A)

"DEC. 23, 1971 DECREE IMPLEMENTING THE FEDERAL LAW ON TRADE IN POISONOUS SUBSTANCES (POISONOUS SUBSTANCES LAW)." SAMMLUNG DER EIDGENOESSISCHEN GESETZE

GERMAN 09/00/72 PGS 442-73 EPA ID# 01321C
PESTICIDES WATER AIR

THIS DECREE IS INTENDED TO IMPLEMENT VARIOUS PROVISIONS OF THE MAR. 21, 1969 POISONOUS SUBSTANCES LAW. VARIOUS SECTIONS DEAL WITH: THE FORM AND CONTENT OF THE POISONOUS SUBSTANCES LIST; THE RIGHT TO TRADE IN SUCH SUBSTANCES; PROTECTIVE MEASURES; THE ENCOURAGEMENT OF KNOWLEDGE ABOUT POISONOUS SUBSTANCES AND POISONING; AND THE ROLES OF THE CANTONAL AUTHORITIES, THE PUBLIC HEALTH SERVICE, AND THE FEDERAL INTERIOR DEPARTMENT IN IMPLEMENTING THE LAW. ARTICLE 63, DEALING WITH THE PROTECTION OF THE ENVIRONMENT, PROHIBITS DISPOSING OF POISONOUS SUBSTANCES ON DUMPS OR OTHER PUBLICLY ACCESSIBLE PLACES; DISCHARGING THEM INTO WATER COURSES OR STAGNANT WATER; OR BURYING THEM IN SUCH A WAY AS TO DANGER THE ENVIRONMENT. IT ALSO PROVIDES THAT IN OPERATIONS DESIGNED TO NEUTRALIZE SUCH SUBSTANCES, CARE MUST BE TAKEN TO PREVENT ANY HARM TO THE ENVIRONMENT THROUGH A GASES, SMOKE, SOOT OR OTHER EMISSIONS. (AN ENGLISH TRANSLATION OF THIS DECREE APPEARS IN INT. DIG. OF HLTH. LEG., V. 23, 1972.)

SWITZERLAND
LR(A)

"FEBRUARY 4, 1955 ORDINANCE ON TRADE IN AGRICULTURAL ADJUVANT PRODUCTS." SAMMLUNG DER EIDGENOESSISCHEN GESETZE

GERMAN 02/15/55 PGS 147-158 EPA ID# 03396A
PESTICIDES

THIS ORDINANCE, ISSUED PURSUANT TO THE 1951 AGRICULTURAL LAW, REQUIRES LICENSING OF CERTAIN AGRICULTURAL ADJUVANT SUBSTANCES, AMONG WHICH ARE PLANT PROTECTION AGENTS AND WEED KILLERS, PRIOR TO MARKETING. THE FEDERAL RESEARCH INSTITUTE FOR AGRONOMY IN WAEDENSWIL, SUBORDINATE TO THE FEDERAL DEPARTMENT OF ECONOMICS, IS TO ISSUE PERMITS FOR AGRICULTURAL PESTICIDES AFTER EXAMINING APPLICATION DOCUMENTS AND SAMPLES. IT MAY GRANT THE PERMIT IF THE SUBSTANCE ADEQUATELY PERFORMS ITS INTENDED FUNCTION AND DOES NOT CAUSE SIGNIFICANT HARMFUL SIDE EFFECTS. THE ORDINANCE ALSO PROVIDES FOR CREATION OF AN EXPERT COMMITTEE TO ADVISE THE INSTITUTE, CONTAINS LABELLING REQUIREMENTS, AND PROVIDES FOR SAMPLING OF PRODUCTS BY MONITORING OFFICIALS.

EUR
SWITZERLAND
LR(A)

"DEC. 20, 1957 FEDERAL ORDER INTRODUCING A NEW CONSTITUTIONAL ARTICLE ON ATOMIC ENERGY AND RADIATION PROTECTION." INT. DIG. OF HLTH. LEG., V.9
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/58 PGS 838 ID# 01315A
RADIATION

THIS ORDER, THE FULL TITLE OF WHICH IS THE "DEC. 20, 1957 FEDERAL ORDER ON THE RESULT OF THE NOV. 24, 1957 NATIONAL REFERENDUM ON THE FEDERAL ORDER INTRODUCING INTO THE CONSTITUTION A NEW ARTICLE 24-5 ON ATOMIC ENERGY AND RADIATION PROTECTION," ADDS TO THE SWISS FEDERAL CONSTITUTION A NEW ARTICLE PROVIDING THAT LEGISLATION ON ATOMIC ENERGY SHALL BE WITHIN THE SPHERE OF JURISDICTION OF THE CONFEDERATION, WHICH SHALL BE RESPONSIBLE FOR MAKING REGULATIONS ON PROTECTION AGAINST THE DANGERS OF IONIZING RADIATION. (THE ORIGINAL TEXT OF THIS LAW APPEARS IN RECUEIL DES LOIS FEDERALES, JAN. 17, 1957, PP. 49-52.)

SWITZERLAND
LR(A)

"DEC. 23, 1959 FEDERAL LAW ON THE PEACEFUL USES OF ATOMIC ENERGY AND ON RADIATION PROTECTION." SAMMLUNG DER EIDGENOESSISCHEN GESETZE
EPA
GERMAN 06/16/60 PGS 541-55 ID# 01316A
RADIATION

SECTION ONE OF THIS GENERAL LAW ON THE PEACEFUL USES OF ATOMIC ENERGY AND ON RADIATION PROTECTION PRESENTS DEFINITIONS AND DISCUSSES THE RCLE OF THE FEDERAL GOVERNMENT IN PROMOTING RESEARCH IN THESE AREAS. SECTION TWO CONTAINS ADMINISTRATIVE PROVISIONS COVERING: CONDITIONS UNDER WHICH THE FEDERAL COUNCIL MAY GRANT AND WITHDRAW PERMISSION FOR THE USE OF ATOMIC ENERGY; PROCEDURES FOR RECEIVING FEDERAL SUPPORT FOR ATOMIC ENERGY PROJECTS; AND THE SUPERVISORY FUNCTIONS OF THE FEDERAL GOVERNMENT IN ATOMIC ENERGY MATTERS. SECTION THREE STIPULATES THAT ALL MEASURES WITHIN THE SCOPE OF PRESENT TECHNOLOGY ARE TO BE TAKEN TO ENSURE PROTECTION FROM RADIATION AND EMPOWERS THE FEDERAL COUNCIL TO ISSUE REGULATIONS ON RADIATION PROTECTION. SECTIONS FOUR AND FIVE DETAIL MATTERS ON LIABILITY IN CASE OF ACCIDENT AND PROVIDE FOR INSURANCE OF ATOMIC INSTALLATIONS. SECTION SIX CONTAINS PENAL PROVISIONS, AND THE FINAL SECTION EMPOWERS THE FEDERAL COUNCIL TO NAME COMMISSIONS TO STUDY PROBLEMS RELATING TO ATOMIC ENERGY AND RADIATION PROTECTION.

SWITZERLAND
LR(A)

"APRIL 19, 1963 DECREE ON RADIATION PROTECTION." SAMMLUNG DER EIDGENOESSISCHEN GESETZE
EPA
GERMAN 04/25/63 PGS 279-346 ID# 013168
RADIATION

THIS DECREE APPLIES TO THE EXTRACTION, PROCESSING, STORAGE, ETC. OF RADIOACTIVE SUBSTANCES AND OF APPARATUSES AND ARTICLES CONTAINING SUCH SUBSTANCES; TO THE MANUFACTURE, INSTALLATION, AND OPERATION OF APPARATUSES EMITTING RADIATION; AND TO OTHER ACTIVITIES INVOLVING RADIATION HAZARDS. SECTION A, "ADMINISTRATIVE MEASURES," CONCERNS: PERMITS FOR USE OF RADIATION AND RADIATION PRODUCING APPARATUSES AND NOTIFICATION OF USE THEREOF; INSPECTION OF RADIATION MEASURING DEVICES; AND SUPERVISION OF COMPLIANCE WITH THE DECREE. PART B, "TECHNICAL SPECIFICATIONS," CONTAINING GENERAL PROVISIONS ON RADIATION IN THE WORKING ENVIRONMENT, ALSO INCLUDES MEASURES TO BE TAKEN IN CASE OF ACCIDENTS AND MEASURES ON THE PROTECTION OF THE GENERAL POPULATION. FURTHER PROVISIONS DEAL SPECIFICALLY WITH RADIATION SOURCES AND INSTALLATIONS FOR PRODUCING IONIZING RADIATION. SECTION C DEALS WITH ADMINISTRATIVE JURISDICTION AS WELL AS FEES AND PENALTIES. THE FEDERAL INTERIOR DEPARTMENT IS TO ISSUE REGULATIONS FOR THE IMPLEMENTATION OF THE LAW.

EUR
SWITZERLAND
LR(A)

"OCT. 7, 1963 ORDINANCE OF THE FEDERAL INTERIOR DEPARTMENT ON RADIATION PROTECTION IN MEDICAL X-RAY INSTALLATIONS OF UP TO 300KV." SAMMLUNG DER EIDGENOESSISCHEN GESETZE
EPA
GERMAN 10/31/63 PGS 879-920 ID# 01316C
RADIATION

THIS ORDINANCE, ENACTED PURSUANT TO SECTION 116 OF THE APRIL 19, 1963 DECREE ON RADIATION PROTECTION, IS APPLICABLE TO MEDICALLY UTILIZED X-RAY INSTALLATIONS, THE MAXIMUM VOLTAGES OF WHICH DO NOT EXCEED 300 KV. PRESCRIBED ARE: SPECIAL PROTECTION MEASURES FOR STAFF IN CHARGE OF SERVICING THE INSTALLATIONS; PROTECTION DEVICES TO BE USED AGAINST PRIMARY AND SCATTERED RADIATION; AND THE CHARACTERISTICS OF VARIOUS TYPES OF INSTALLATION.

SWITZERLAND
LR(A)

"OCT. 7, 1963 ORDINANCE OF THE FEDERAL INTERIOR MINISTRY ON RADIATION PROTECTION FOR SHOE-FITTING FLUOROSCOPES." SAMMLUNG DER EIDGENOESSISCHEN GESETZE
EPA
GERMAN 10/31/63 PGS 924-27 ID# 01316D
RADIATION

THIS ORDINANCE, AMENDED BY THE SEPT. 6, 1966 ORDINANCE OF THE FEDERAL INTERIOR MINISTRY AMENDING THE ORDINANCE ON RADIATION PROTECTION FOR SHOE-FITTING FLUOROSCOPES, STIPULATES THAT SHOE-FITTING FLUOROSCOPES MUST BE LICENSED AND SPECIFIES THE CONDITIONS UNDER WHICH SUCH LICENSES MAY BE GRANTED. THE ORDINANCE FURTHER STIPULATES THAT SUCH FLUOROSCOPES BE DESIGNATED AS X-RAY INSTALLATIONS AND SPECIFICES THE VOLTAGE RANGE ALLOWABLE FOR SUCH MACHINES AND THE TYPE OF PROTECTIVE DEVICES WITH WHICH THEY MUST BE EQUIPPED.

SWITZERLAND
LR(A)

"MAR 6,, 1964 DECREE ON FEES IN THE AREA OF RADIATION PROTECTION."
SAMMLUNG DER EIDGENOESSISCHEN GESETZE
EPA
GERMAN 03/13/64 PGS 206-09 ID# 01316E
RADIATION

THIS DECREE, MADE PURSUANT TO THE DEC. 23, 1959 FEDERAL LAW ON THE PEACEFUL USES OF ATOMIC ENERGY AND ON RADIATION PROTECTION, SPECIFIES THE FEES WHICH OFFICES SUCH AS THE FEDERAL HEALTH OFFICE, THE FEDERAL INSPECTORATE OF FACTORIES, AND THE FEDERAL ACCIDENT INSURANCE OFFICE MAY CHARGE FOR THE FOLLOWING ACTIVITIES IN THE AREA OF RADIATION PROTECTION: GRANTING OF LICENSES; TEST OF VARIOUS TYPES OF INSTALLATIONS; TESTS OF RADIATION MEASURING APPARATUSES; SUPERVISION OF IONIZING RADIATION PRODUCING INSTALLATIONS; SUPERVISION OF RADIOACTIVE SOURCES; SUPERVISION OF ISOTOPE LABORATORIES; EXAMINATION OF PERSONNEL; AND STORAGE OF RADIOACTIVE WASTES.

EUR
SWITZERLAND
LR(A)

"NOV. 1, 1966 DECREE ON FEDERAL CONTRIBUTIONS TO TRAINING AND FURTHER EDUCATION IN THE AREA OF RADIATION PROTECTION." SAMMLUNG DER EIDGENOESSISCHEN GESETZE
EPA
GERMAN 11/03/66 PGS 1398-1400 ID# 01316F
RADIATION

THIS DECREE, MADE PURSUANT TO THE DEC. 23, 1959 FEDERAL LAW ON THE PEACEFUL USES OF ATOMIC ENERGY AND ON RADIATION PROTECTION, SPECIFIES THE PERSONS WHO MAY RECEIVE FEDERAL FUNDING FOR EDUCATION AND TRAINING IN THE AREA OF RADIATION PROTECTION, THE AMOUNT OF FUNDING WHICH MAY BE RECEIVED, AND THE FORMAT TO BE FOLLOWED AND THE INFORMATION TO BE INCLUDED IN REQUESTS FOR FUNDS. THIS DECREE IS SUPPLEMENTED BY THE JUNE 25, 1968 ORDINANCE OF THE FEDERAL INTERIOR MINISTRY ON EXPENSES ELIGIBLE FOR FEDERAL FUNDING IN TRAINING AND FURTHER EDUCATION IN THE AREA OF RADIATION PROTECTION (SAMMLUNG DER EIDGENOESSISCHEN GESETZE, 1968, PP. 857-58), WHICH FURTHER SPECIFIES THE TYPES OF ACTIVITIES FOR WHICH FUNDING MAY BE GRANTED.

SWITZERLAND
LR(A)

"APRIL 18, 1968 FEDERAL INTERIOR DEPARTMENT ORDINANCE ON THE RADIOACTIVITY OF TIMEPIECES." SAMMLUNG DER EIDGENOESSISCHEN GESETZE
EPA
GERMAN 05/10/68 PGS 607-13 ID# 01316G
RADIATION

THIS ORDINANCE, MADE PURSUANT TO THE APRIL 19, 1963 DECREE ON RADIATION PROTECTION AND BASED ON RECOMMENDATIONS ADOPTED BY THE EUROPEAN NUCLEAR ENERGY AGENCY AND THE INTERNATIONAL ATOMIC ENERGY AGENCY, APPLIES TO ALL TYPES OF TIMEPIECES WITH RADIOACTIVE LUMINOUS PAINT, MANUFACTURED IN, IMPORTED INTO OR EXPORTED FROM SWITZERLAND. PROVISIONS RELATE TO: PROTECTIVE COVERS ON TIMEPIECES; ADHESION OF THE RADIOACTIVE PAINT; NUCLIDES PERMITTED IN PAINTS; MAXIMUM PERMISSIBLE NUCLIDES IN DIFFERENT TYPES OF TIMEPIECES; AND COMPULSORY AUTHORIZATION FOR AND NOTIFICATION OF USE OF RADIOACTIVE PAINTS.

SWITZERLAND
LR(A)

"JUNE 9, 1969 REGULATIONS ON THE EXAMINATION IN RADIATION PROTECTION FOR CHIROPRACTORS." SAMMLUNG DER EIDGENOESSISCHEN GESETZE
EPA
GERMAN 06/09/69 PGS 434-36 ID# 01316H
RADIATION

THESE REGULATIONS, MADE PURSUANT TO THE APRIL 19, 1963 DECREE ON RADIATION PROTECTION, DETAIL THE CONTENT AND FORM OF THE EXAMINATION NECESSARY FOR CHIROPRACTORS WISHING TO PERFORM X-RAY EXAMINATIONS FOR CHIROPRACTIC PURPOSES. THE EXAMINATION, CONSISTING OF ORAL AND WRITTEN SECTIONS, COVERS: THE THEORETICAL AND PRACTICAL KNOWLEDGE NECESSARY TO PERFORM X-RAY EXAMINATIONS; KNOWLEDGE REQUIRED FOR THE PROPER USE OF IONIZING RADIATIONS; THE CHIEF SOMATIC AND GENETIC EFFECTS OF RADIATION; AND PRINCIPLES OF RADIATION PROTECTION.

EUR
SWITZERLAND
LR(A)

"SEPT. 12, 1969 ORDINANCE OF THE FEDERAL INTERIOR DEPARTMENT ON PROTECTION AGAINST RADIATION IN NUCLEAR RESEARCH INSTITUTES." SAMMLUNG DER EIDGENOESSISCHEN GESETZE
EPA
GERMAN 10/10/69 PGS 966-969 ID# 01316J
RADIATION

THIS ORDINANCE, MADE IN PURSUANCE OF THE APRIL 19, 1963 DECREE ON RADIATION PROTECTION, STIPULATES PROTECTION MEASURES TO BE TAKEN IN NUCLEAR RESEARCH INSTITUTES, DEFINED HERE AS UNIVERSITY INSTITUTES AND BASIC AND APPLIED RESEARCH CENTERS PERFORMING RESEARCH WITH EQUIPMENT, INSTALLATIONS, OR SUBSTANCES CAPABLE OF EMITTING IONIZING RADIATIONS. VARIOUS SECTIONS PROVIDE THAT: ACCELERATORS AND OTHER LARGE RADIATION SOURCES MUST IN SO FAR AS POSSIBLE BE BUILT AND INSTALLED AS FIXED INSTALLATIONS; THAT SUCH INSTALLATIONS BE PROVIDED WITH FIXED PROTECTIVE DEVICES SHIELDING THEM FROM PLACES ACCESSIBLE TO PERSONS AS WELL AS WITH MOBILE PROTECTIVE DEVICES TO PROTECT WORKERS DURING EXPERIMENTS; THAT THE DIRECTOR OF SUCH AN INSTITUTE APPOINT A RADIATION PROTECTION EXPERT; AND THAT SUCH INSTITUTES BE EQUIPPED WITH RADIATION MONITORING DEVICES (DOSIMETERS) FOR RADIATION PROTECTION.

SWITZERLAND
LR(B)

"NUCLEAR ENERGY: LAW TO UNDERGO REVISION." JOURNAL DE GENEVE
EPA
FRENCH 09/09/75 PGS 11 ID# 01316K
RADIATION

THIS ARTICLE REPORTS THAT SWISS FEDERAL COUNCILOR WILLI RITSCHARD, HEAD OF THE DEPARTMENT OF TRANSPORTATION, COMMUNICATIONS AND ENERGY, HAS DELEGATED TO A GROUP OF EXPERTS IN PUBLIC AND ADMINISTRATIVE LAW THE TASK OF DRAFTING A COMPLETE REVISION OF THE DECEMBER 23, 1959 LAW ON THE PEACEFUL USES OF ATOMIC ENERGY AND ON RADIATION PROTECTION. THIS UNDERTAKING WILL CONSIST PRIMARILY OF A REFORM OF AUTHORIZATION PROCEDURES FOR NUCLEAR INSTALLATIONS.

SWITZERLAND
LR(B)

LEGISLATION SUISSE SUR LES TOXIQUES (SWISS LEGISLATION ON TOXIC SUBSTANCES)
SWITZERLAND. FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION EPA
FRENCH 00/00/74 PGS 1-5 ID# 01321F
TOXIC SUBS

THIS REPORT FROM THE SWISS FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION DESCRIBES THE CONTENTS OF THE MARCH 21, 1969 FEDERAL LAW ON TOXIC SUBSTANCES, WHICH ENTERED INTO EFFECT ON APRIL 1, 1974. DISCUSSED IN THE REPORT ARE THE OBJECTIVES OF THE LAW AS WELL AS ITS LEGAL BASES IN THE CONSTITUTION AND SCOPE OF APPLICATION. ALSO DISCUSSED IN A SECTION ON PROTECTION MEASURES ARE THE CLASSIFICATION OF SUBSTANCES AND THE GRANTING OF TRADE AUTHORIZATIONS, WHICH HAVE BEEN ESTABLISHED FOR THE PRCTECTION OF THE CONSUMER. A FINAL SECTION CONSIDERS THE IMPLEMENTATION OF THIS LAW ON THE LOCAL AND FEDERAL LEVELS.

EUR
SWITZERLAND
LR(A)

"MAY 30, 1973 DECREE ON PROHIBITED TOXIC SUBSTANCES." RECUEIL OFFICIEL

EPA
FRENCH 00/00/73 PGS 962 ID# 01321G
TOXIC SUBS

THIS DECREE, ISSUED BY THE FEDERAL COUNCIL IN PURSUANCE OF THE DECEMBER 1971 DECREE ON PROHIBITED TOXIC SUBSTANCES, SUPPLEMENTS THE EARLIER DECREE WITH THE ADDITION OF LEAD ALKYL TO THE LIST OF PROHIBITED SUBSTANCES AND ABROGATES DECREE NO. 1 OF APRIL 23, 1955 DEALING WITH THE MARKETING OF ETHYL BENZINE.

SWITZERLAND
LR(B)

"DOCUMENTATION ON POISONOUS SUBSTANCES: PARTICIPATION OF THE FEDERAL AUTHORITIES IN THE TOXICOLOGICAL CENTER." RIVISTA DE CLINICA TOSSICOLOGICA, NO. 5-6
TRIVELLI, G.
EPA
FRENCH 00/00/74 PGS 419-421 ID# 03120A
TOXIC SUBS

IN ITS EXAMINATION OF THE SWISS FEDERAL LAW ON TRADE IN POISONOUS SUBSTANCES OF APRIL 1972, THIS ARTICLE FOCUSES ON THE PRESCRIPTIONS OF THE LAW CONCERNED WITH THE PROTECTION OF HUMAN BEINGS AGAINST POISONING AND WITH THE ESTABLISHMENT OF A TOXICOLOGICAL DOCUMENTATION CENTER WITHIN THE PUBLIC HEALTH SERVICE. ACCORDING TO THE LAW, ALL PRODUCTS CONTAINING POISONOUS SUBSTANCES ARE TO BE DECLARED TO THE PUBLIC HEALTH SERVICE. THE DECLARATION, WHICH IS TO BE ACCOMPANIED BY A SAMPLE OF THE PRODUCT, PERMITS THE AUTHORITIES TO ASCERTAIN THE EXACT COMPOSITION OF ALL POISONOUS SUBSTANCES BEING TRADED. THIS PROCEDURE REDUCES THE HAZARDS PRESENTED BY THE PRODUCTS AND PROVIDES THE TOXICOLOGICAL DOCUMENTATION CENTER WITH INFORMATION FOR THE PURPOSE OF INSTRUCTING PHYSICIANS, HOSPITALS AND VETERINARIANS IN THE EVENT OF POISONING.

SWITZERLAND
LR(A)

DIRECTIVES APPLICABLE TO THE DISCHARGE OF RESIDUAL WATERS

EPA
FRENCH 09/01/66 PGS 8 ID# 00361A
WATER

DIRECTIVES OF THE SWISS FEDERAL DEPARTMENT OF THE INTERIOR APPLICABLE TO THE DISCHARGE OF RESIDUAL WATERS OF 1ST SEPTEMBER 1966, ESTABLISH CERTAIN REQUIREMENTS OF SUCH RESIDUAL WATERS INCLUDING TEMPERATURE, ODOR, COLOR, TRANSPARENCY, TOXICITY, SALINITY, TOTAL CONTENT OF SUSPENDED MATERIALS, PH RANGE, OXYGEN CONTENT, CHEMICAL CONTENT, AND OTHERS.

EUR
SWITZERLAND
LR(A)

MAY 1, 1967 DIRECTIVES OF FED INTERIOR DEPT. ON TECHNICAL RULES TO BE APPLIED & THE DIMENSIONS TO BE ASCRIBED INSTALLATIONS SERVING THE DISCHARGE & PURIFICATION OF WASTE WATER

FRENCH 05/01/67 PGS 8 EPA ID# 003618
WATER

INCLUDED ARE DIRECTIVES CONCERNING THE IMPLEMENTATION OF A PLAN; TECHNICAL PROBLEMS OF INTERCOMMUNAL WASTEWATER INSTALLATIONS; DIRECTIVES IN REGARD TO THE DISCHARGE AND THE VOLUME OF WASTEWATER; OVERFLOW AND FLOODING OF RESERVOIRS CAUSED BY HEAVY RAINS; AND DIRECTIVES RELATING TO WASTEWATER PURIFICATION INSTALLATIONS.

SWITZERLAND
LR(A)

"MAY 1, 1967 GUIDELINES ON INDIVIDUAL WATER PURIFICATION INSTALLATIONS."
BUNDESBLATT

GERMAN 06/22/67 PGS 1041 EPA ID# 00361C
WATER

THESE GUIDELINES, ISSUED BY THE FEDERAL INTERIOR DEPARTMENT, MAKE COMPULSORY THE GUIDELINES ON INDIVIDUAL WATER PURIFICATION INSTALLATIONS OF THE ASSOCIATION OF SWISS WATER TECHNICIANS RELATING TO THE CONNECTION OF INDIVIDUAL WATER PURIFICATION INSTALLATIONS TO SEWAGE SOURCES AS WELL AS TO THEIR DESIGN AND CONSTRUCTION. RELYING ON PRINCIPLES ESTABLISHED IN THESE GUIDELINES, THE COMPETENT CANTONAL AUTHORITIES ARE EMPOWERED TO DECIDE IN INDIVIDUAL CASES ON MATTERS CONCERNING THE RANGE OF USE OF INDIVIDUAL PURIFICATION PLANTS, THEIR OPERATION, SUPERVISION AND MAINTENANCE, AS WELL AS ON THE DISPOSAL OF EFFLUENTS FROM AGRICULTURAL OPERATIONS.

SWITZERLAND
LR(A)

"DEC 27, 1967 FEDERAL ORDINANCE ON PROTECTION OF WATERS FROM POLLUTION BY LIQUID FUELS AND OTHER STORED WATER-ENDANGERING LIQUIDS." SAMMLUNG DER EIDGENOESSISCHEN GESETZE

GERMAN 02/23/68 PGS 257-335 EPA ID# 00361D
WATER

THIS ORDINANCE, ISSUED BY THE FEDERAL INTERIOR MINISTRY, CONTAINS PROVISIONS TO PROTECT SURFACE WATERS AND GROUNDWATER AGAINST POLLUTION AND OTHER HARMFUL INFLUENCES BY PREVENTING THE ESCAPE OF LIQUIDS FROM INSTALLATIONS FOR THE STORAGE, TRANSHIPMENT, PROCESSING OR UTILIZATION OF LIQUID FUELS AND OTHER LIQUID PRODUCTS. THE PROVISIONS APPLY TO PROTECTION MEASURES TO BE TAKEN IN THE CONSTRUCTION, INSTALLATION, AND MAINTENANCE OF FUEL TANKS AS WELL AS TO ALL INSTALLATIONS FOR THE STORAGE OF OTHER LIQUIDS POTENTIALLY HARMFUL TO WATER. FOR THE PURPOSES OF THE ORDINANCE, SWITZERLAND IS DIVIDED INTO THREE ZONES AND MEASURES TO BE TAKEN WITH REGARD TO VARIOUS TYPES OF STORAGE FACILITIES IN THESE ZONES ARE DETAILED. THE CANTONS ARE EMPOWERED TO TAKE SPECIAL PROTECTIVE MEASURES IN THE AREA OF GROUNDWATER CATCHMENTS AND MAY FURTHER SET ASIDE AREAS WHERE NO WATER-ENDANGERING LIQUIDS MAY BE STORED. SEVERAL ARTICLES OF THIS ORDINANCE ARE ABROGATED BY THE JUNE 19, 1972 DECREE ON PROTECTION OF WATER FROM POLLUTION BY WATER-ENDANGERING LIQUIDS.

EUR
SWITZERLAND
LR(A)

"MAY 27, 1968 GUIDELINES OF THE FEDERAL INTERIOR DEPARTMENT ON WATER PROTECTION MEASURES IN ROAD CONSTRUCTION." BUNDESBLATT

GERMAN 09/08/68 PGS 181-198 EPA ID# 00361E
WATER

THESE GUIDELINES ARE DESIGNED TO PREVENT OR LIMIT THE POLLUTION OF GROUNDWATER AND SURFACE WATERS INTENDED AS SOURCES OF DRINKING OR UTILITY WATER, ARISING FROM THE CONSTRUCTION OR USE OF ROADS. THE GUIDELINES APPLY TO ALL NEW ROADS WHICH MAY CARRY A LARGE NUMBER OF VEHICLES TRANSPORTING WATER-ENDANGERING LIQUIDS, AS WELL AS TO ROADS ALREADY IN USE, TO THE EXTENT THAT DANGERS EXIST. VARIOUS SECTIONS OF THE GUIDELINES CONCERN: PRINCIPLES TO BE FOLLOWED IN ROAD PLANNING; THE TYPES OF AREAS WHERE PROTECTIVE MEASURES ARE NECESSARY; SAFETY DESIGN FEATURES NECESSARY IN AREAS WHERE GROUNDWATER OR SPRING WATER IS PRESENT; SAFETY FEATURES WITH REGARD TO SURFACE WATERS, ESPECIALLY AS CONCERNS OIL SEPARATORS IN ROAD DRAINING PIPES; PROTECTIVE MEASURES TO BE TAKEN DURING ROAD CONSTRUCTION; THE USE OF GRAVEL IN GROUNDWATER AREAS; AND SYSTEMS FOR ROAD DRAINING. AN APPENDIX PRESENTS VARIOUS TECHNICAL SPECIFICATIONS RELATIVE TO MATTERS HANDLED IN THE GUIDELINES.

SWITZERLAND
LR(A)

"MAY 16, 1969 GUIDELINES ON SAMPLING AND THE STANDARDIZATION OF WATER TESTING METHODS (PART I)." BUNDESBLATT

GERMAN 05/16/69 PGS 884-949 EPA ID# 00361F
WATER

THESE GUIDELINES, ISSUED BY THE FEDERAL INTERIOR DEPARTMENT, PRESENT STANDARDIZED METHODS FOR TESTING EFFLUENTS AND WATERS AFFECTED BY THEM FOR: TEMPERATURE; CLARITY; DEGRADABILITY OF SUBSTANCES; PRESENCE OF UNDISSOLVED SUBSTANCES; VOLUME OF PRECIPTABLE SUBSTANCES; PH-VALUE; BIOCHEMICAL OXYGEN REQUIREMENTS; POTASSIUM PERMANGANATE CONSUMPTION; AND PRESENCE OF: ACIDS, SALT, ALUMINUM, ARSENIC, BARIUM, LEAD, CADMIUM, CHROME(III), CHROME(VI), IRON, COPPER, NICKEL, MERCURY, SILVER, ZINC, TIN, AND AMMONIA. (FOR PART II OF THESE GUIDELINES SEE, SAMMLUNG DER EIDGENOESSISCHEN GESETZE, 1971, PP. 356-429.

SWITZERLAND
LR(A)

"SEPT. 15, 1969 ORDINANCE AMENDING THE DEC. 27, 1967 ON PROTECTION OF WATERS FROM POLLUTION BY LIQUID FUELS AND OTHER STORED LIQUIDS." SAMMLUNG DER EIDGENOESSISCHEN GESETZE

GERMAN 10/31/69 PGS 1012-19 EPA ID# 00361G
WATER

THIS ORDINANCE INTRODUCES AMENDMENTS TO THE DEC. 27, 1967 FEDERAL INTERIOR MINISTRY ORDINANCE ON PROTECTION OF WATERS FROM POLLUTION BY LIQUID FUELS AND OTHER STORED WATER-ENDANGERING LIQUIDS, AND STIPULATES, AMONG OTHER THINGS: THAT GENERAL PROTECTIVE MEASURES TO PREVENT LEAKAGE MUST BE TAKEN IN THE CONSTRUCTION, EQUIPMENT AND UPKEEP OF ALL INSTALLATIONS FOR THE STORAGE OF LIQUIDS LIKELY TO CAUSE DETERIORATION OF WATER QUALITY; AND THAT SPECIAL PROTECTION MEASURES BE TAKEN WHERE THERE IS A DANGER OF POLLUTION OF SURFACE WATERS OR GROUNDWATER.

EUR
SWITZERLAND
LR(A)

"OCT. 15, 1971 GUIDELINES ON SAMPLING AND THE STANDARDIZATION OF WATER TESTING METHODS (PART II)." SAMMLUNG DER EIDGENOESSISCHEN GESETZE

EPA
GERMAN 02/18/72 PGS 356-429 ID# 00361H
WATER

THESE GUIDELINES, ISSUED BY THE FEDERAL INTERIOR DEPARTMENT, PRESENT STANDARDIZED METHODS FOR TESTING EFFLUENTS AND BODIES OF WATER AFFECTED BY THEM FOR: TOXICITY; ACTIVE CHLORINE; CYANIDE; FLUORIDES; NITRATES; NITRITES; SULFIDES; SULFITES; PHENOLS; FREE ACIDS AND FREE BASES; PHOSPHATES; AND DETERGENTS. PART I OF THESE GUIDELINES APPEAR IN BUNDESBLATT, 1970, PP. 884-949.

SWITZERLAND
LR(A)

"TECHNICAL PRESCRIPTIONS FOR THE STORAGE OF LIQUIDS." RECUEIL DES LOIS FEDERALES

EPA
FRENCH 12/10/73 PGS 1797-1800 ID# 00361J
WATER

THIS DECREE, ISSUED BY THE FEDERAL DEPARTMENT OF THE INTERIOR, INTRODUCES AMENDMENTS TO THE "DECEMBER 27, 1967 ORDINANCE ON THE PROTECTION OF WATERS FROM POLLUTION BY LIQUID FUELS AND OTHER STORED WATER-ENDANGERING LIQUIDS" AND PRESCRIBES TECHNICAL REQUIREMENTS RELATIVE TO THE CONDITION AND UNDERGROUND LOCATION OF TANKS USED IN THE STORAGE OF WATER-ENDANGERING LIQUIDS.

SWITZERLAND
LR(A)

OCT 8, 1971 SWISS FEDERAL ASSEMBLY LAW ON THE PROTECTION OF WATER AGAINST POLLUTION

EPA
FRENCH 10/08/71 PGS 17 ID# 00362A
WATER SOLID WASTE

THE 45 ARTICLES OF THIS LAW SPELL OUT THE TASKS AND OBLIGATIONS OF THE CONFEDERATION AS WELL AS THOSE OF THE CANTONS AND SET FORTH MEASURES FOR IMPLEMENTATION OF THE LAW, INCLUDING COERCIVE AND EXPROPRIATION MEASURES. THE LAW COVERS INTER-CANTONAL AND INTERNATIONAL WATERS, THE CONTROL OF DISCHARGE FROM INDUSTRY, AGRICULTURE, BOATS, ETC., AND MEASURES TO TREAT WASTES IN ORDER TO ASSURE WATER PURITY. IT ALSO DEALS WITH POLLUTANTS, RESERVOIRS, THE DISPOSITION OF SOLID WASTE, DEBRIS ACCUMULATING NEAR HYDROELECTRIC CENTERS, AND THE PROTECTION OF SUBTERRANEAN WATERS. IT COVERS FEDERAL SUBSIDIES AS WELL AS PENAL ARRANGEMENTS, OFFENSES, AND GENERAL PROVISIONS OF THE SWISS PENAL CODE.

EUR
SWITZERLAND
LR(A)

"JUNE 19, 1972 DECREE ON THE PROTECTION OF WATERS FROM POLLUTION BY WATER-ENDANGERING LIQUIDS." SAMMLUNG DER EIDGENOESSICHEN GESETZE

GERMAN 06/23/72 PGS 986-1004 EPA ID# 003628
WATER

THIS DECREE, MADE PURSUANT TO THE OCT. 8, 1971 FEDERAL LAW ON THE PROTECTION OF WATERS AGAINST POLLUTION, APPLIES TO THE BUILDING, EQUIPPING, OPERATION, ETC. OF INSTALLATIONS FOR THE MANUFACTURING, PROCESSING, STORAGE, TRANSFER, ETC. OF LIQUID FUELS AND OTHER LIQUIDS WHICH MAY CAUSE PHYSICAL OR CHEMICAL CHANGES IN THE WATER OR ENDAGER AQUATIC LIFE. TECHNICAL REGULATIONS FOR THE IMPLEMENTATION OF THE DECREE ARE TO BE ISSUED BY THE INTERIOR DEPARTMENT, WHICH MAY ALSO, IN CONJUNCTION WITH THE FEDERAL DEPARTMENT OF THE PUBLIC ECONOMY, ISSUE REGULATIONS ON THE QUALIFICATIONS OF SERVICE AND MAINTENANCE PERSONNEL IN SUCH INSTALLATIONS. VARIOUS SECTIONS OF THE DECREE PRESENT THE CLASSIFICATION SYSTEM BY WHICH CANTONS ARE TO ESTABLISH WATER PROTECTION ZONES, AND DETAIL THE MEASURES AND PROHIBITIONS TO BE ENFORCED IN THESE ZONES. OTHER PROVISIONS RELATE TO THE BUILDING, OPERATION AND REGULAR INSPECTION OF INSTALLATIONS; THE ADAPTATION OR DEACTIVATION OF OLD INSTALLATIONS; AND THE SUPERVISION OF THE QUALITY OF BOTH WORK AND MATERIAL.

SWITZERLAND
LR(A)

"JUNE 19, 1972 GENERAL WATER PROTECTION DECREE." SAMMLUNG DER EIDGENOESSICHEN GESETZE

GERMAN 06/23/72 PGS 967-85 EPA ID# 00362C
WATER

THIS DECREE CONTAINS PROVISIONS PERTINENT TO THE ADMINISTRATION OF THE OCT. 8, 1971 FEDERAL LAW ON THE PROTECTION OF WATERS AGAINST POLLUTION. SECTION I DESCRIBES THE ROLES OF THE FEDERAL COUNCIL AS WELL AS OF THE DEPT. OF THE INTERIOR AND OTHER FEDERAL OFFICES IN SUPERVISING THE IMPLEMENTATION OF THE LAW. THE DUTIES OF THE CANTONS, WHICH ARE GIVEN THE PRIMARY RESPONSIBILITY FOR IMPLEMENTATION OF THE LAW IN THEIR AREAS, ARE THEN DETAILED. SECTION II, DEALING WITH SEWAGE DISPOSAL, INCLUDES PROVISIONS RELATING TO: CANTONAL WATER PURIFICATION PLANS; PLANNING FOR CANALIZATION; AND PRINCIPLES APPLYING TO EXCEPTIONAL TYPES OF SEWAGE DISPOSAL. SECTION III DEALS WITH THE FINANCIAL ROLE OF THE FEDERAL GOVERNMENT IN WATER PROTECTION EFFORTS; CONDITIONS UNDER WHICH FUNDS WILL BE GRANTED AND THE AMOUNT OF FUNDING TO BE PROVIDED UNDER VARIOUS CIRCUMSTANCES ARE STIPULATED. THE FINAL SECTION DEALS WITH, AMONG OTHER THINGS, PENALTIES UNDER THE LAW.

EUR
SWITZERLAND
LR(A)

ORDONNANCE SUR LA DEGRADABILITE DES PRODUITS DE LAVAGE, DE RINCAGE ET DE NETTOYAGE (ORDINANCE ON THE DEGRADABILITY OF WASHING, RINSING AND CLEANING PRODUCTS)
SWITZERLAND. FEDERAL COUNCIL
EPA
FRENCH 06/19/72 PGS 1-4 ID# 00362D
WATER

THIS SWISS FEDERAL COUNCIL, ACTING UNDER PROVISIONS OF ARTICLE 23 OF THE FEDERAL LAW OF OCTOBER 8, 1971 ON WATER POLLUTION, REQUIRES THROUGH THIS ORDINANCE THAT MEASURES BE TAKEN TO REDUCE THE HAZARD FROM DETERGENTS. THE ORDINANCE DEFINES THE AREA OF APPLICABILITY, RESTRICTS COMPOUNDS DIFFICULT TO DEGRADE, MAKES MANDATORY THE REGISTERING OF DETERGENTS DESIGNED FOR DOMESTIC USE, DELINEATES THE RESPONSIBILITIES OF THE CANTON, ASSIGNS TESTING AND VERIFICATION COSTS, AND PROHIBITS THE MANUFACTURE OR SALE OF NON-CONFORMING PRODUCTS.

SWITZERLAND
LR(A)

"AUG. 9, 1972 REGULATIONS ON THE FEDERAL WATER PROTECTION COMMISSION."
SAMMLUNG DER EIDGENOESSISCHEN GESETZE
EPA
GERMAN 08/18/72 PGS 1708-10 ID# 00362E
WATER

THESE REGULATIONS, MADE PURSUANT TO THE OCT 8, 1971 LAW ON THE PROTECTION OF WATERS AGAINST POLLUTION AND THE JUNE 19, 1972 GENERAL WATER PROTECTION DECREE DEAL WITH THE FORMATION OF A FEDERAL WATER PROTECTION COMMISSION TO ADVISE THE DEPT. OF THE INTERIOR AND THE OFFICE OF ENVIRONMENTAL PROTECTION ON QUESTIONS RELATING TO WATER PROTECTION AS WELL AS TO PROMOTE COOPERATION BETWEEN THE AUTHORITIES OF THE FEDERAL AND CANTONAL GOVERNMENTS ON THE ONE HAND AND RESEARCH INSTITUTIONS AND PROFESSIONAL AND INDUSTRIAL ORGANIZATIONS ON THE OTHER. THE COMMISSION IS TO CONSIST OF 30-35 SPECIALISTS, REPRESENTING THE FEDERAL AND CANTONAL GOVERNMENTS, THE COMMUNES, THE SCIENTIFIC COMMUNITY, PROFESSIONAL ORGANIZATIONS AND INDUSTRY. MEMBERS AND THE PRESIDENT ARE CHOSEN FOR FOUR-YEAR TERMS. ALSO DEALT WITH ARE: THE ORDER OR BUSINESS OF THE COMMISSION; OFFICIAL SECRETS; THE COMMISSION'S SECRETARIAT; AND FINANCIAL COMPENSATION FOR COMMISSION MEMBERS.

SWITZERLAND
LR(A)

"NOV. 8, 1972 DECREE ON APPLICATIONS FOR FUNDING IN THE AREA OF WATER PROTECTION." SAMMLUNG DER EIDGENOESSISCHEN GESETZE
EPA
GERMAN 08/12/72 PGS 2758-63 ID# 00362F
WATER

THIS DECREE, MADE PURSUANT TO ARTICLE 48 OF THE JUNE 19, 1972 GENERAL DECREE ON WATER PROTECTION, CONTAINS STIPULATIONS RELATIVE TO APPLICATIONS FOR FEDERAL FUNDING OF VARIOUS TYPES OF WATER PROTECTION PROJECTS. GENERAL PROVISIONS STIPULATE THAT APPLICATIONS BE PRESENTED TO THE FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION AND THAT DOCUMENTATION INCLUDE ALL DATA IMPORTANT FOR THE REALIZATION OF THE PROJECT, INCLUDING INFORMATION ON THE TYPE AND EXTENT OF THE PROJECT, THE PROPOSED COSTS, THE BODY RESPONSIBLE FOR THE PROJECT, AND COST APPORTIONMENT. ALSO DEALT WITH ARE METHODS OF DETAILING PROJECT COSTS. OTHER SECTIONS CONTAIN SPECIAL PROVISIONS FOR APPLICATIONS FOR FUNDING FOR: SEWERAGE AND WASTE DISPOSAL INSTALLATIONS; WATER PROTECTION LABORATORIES; AND RESEARCH RELATING TO SURFACE WATER AND GROUND WATER.

EUR
SWITZERLAND
LR(A)

"NOV. 8, 1972 DECREE ON CONTENT AND PRESENTATION OF WATER PURIFICATION PLANS." SAMMLUNG DER EIDGENOESSISCHEN GESETZE

GERMAN 12/08/72 PGS 2750-56 EPA ID# 00362G
WATER

THIS DECREE, MADE PURSUANT TO THE OCT. 8, 1971 FEDERAL LAW ON THE PROTECTION OF WATERS AGAINST POLLUTION, AND THE JUNE 19, 1972 GENERAL WATER PROTECTION DECREE, SPECIFIES THE FORM AND CONTENT OF THE CANTONAL WATER PURIFICATION PLANS PROVIDED FOR IN THESE PIECES OF LEGISLATION. AS A BASIS FOR SUCH PLANS APPROPRIATE CANTONAL AUTHORITIES ARE TO PREPARE AN INVENTORY, OF AMONG OTHER THINGS, PRESENT SOURCES OF POLLUTION AND EXISTING PURIFICATION INSTALLATIONS. PROGRAMS, TO BE OPERATIONAL BY JULY 1, 1982, ARE TO ADAPTABLE TO BE CHANGING CIRCUMSTANCES, ESPECIALLY TO POPULATION INCREASES AND NEW WATER PROTECTION DEMANDS. PRIORITY CONSIDERATIONS INCLUDE, ENDANGERED GROUND AND SPRING WATER, COMMERCIAL AND INDUSTRIAL WASTES, AND BUILT-UP AREAS SERVICED BY CENTRAL WATER PURIFICATION INSTALLATIONS. OTHER PROVISIONS SPECIFY THE FORM OF THE PLANS, WHICH ARE TO CONSIST OF A CARTOGRAPHIC PRESENTATION WITH SUPPLEMENTARY TABLES. PLANS ARE TO BE SUBMITTED WITHIN ONE AND A HALF YEARS OF THE EFFECTIVE DATE OF THIS DECREE.

SWITZERLAND
LR(B)

"CHARACTERISTICS OF FEDERAL WATER PROTECTION LEGISLATION." UMWELTSCHUTZ IN DER SCHWEIZ
SWITZERLAND. FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION EPA
GERMAN 00/00/74 PGS 86-90 ID# 00362H
WATER

THIS ARTICLE, WRITTEN BY DR. P. DUERST, HEAD OF THE LEGAL SERVICES STAFF OF THE FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION, SUMMARIZES WATER PROTECTION LEGISLATION IN SWITZERLAND AND OUTLINES THE JURISDICTIONAL RESPONSIBILITIES OF FEDERAL, CANTONAL AND LOCAL GOVERNMENTS. ARTICLE 24 OF THE FEDERAL CONSTITUTION EMPOWERS THE FEDERAL GOVERNMENT TO ACT IN THIS AREA. IN OCTOBER 1971, A COMPREHENSIVE LAW FOR WATER PROTECTION WAS PASSED AND SET INTO EFFECT IN JULY 1972. THE FEDERAL GOVERNMENT HAS PRIMARY RESPONSIBILITY FOR DEVELOPING WATER POLICY AND PROGRAMS. CANTONAL AND LOCAL GOVERNMENTS ARE RESPONSIBLE FOR CARRYING OUT NATIONAL PROVISIONS. CANTONS AND LOCAL GOVERNMENTS ACT IN THE AREAS OF SEWAGE AND SOLID WASTE ADMINISTRATION. THE FEDERAL GOVERNMENT GRANTS FINANCIAL AID TO COMMUNITIES FOR SEWAGE PLANTS, SOLID WASTE DISPOSAL FACILITIES, RESEARCH AND PERSONNEL DEVELOPMENT. THE ARTICLE LISTS IMPLEMENTING DECREES OF THE FEDERAL COUNCIL AND OF THE INTERIOR DEPARTMENT.

EUR
SWITZERLAND
LR(A)

"NOVEMBER 6, 1974. GENERAL WATER PROTECTION DECREE. AMENDMENT." SAMMLUNG DER EIDGENOESSISCHEN GESETZE, NO. 45

GERMAN 11/18/74 PGS 1810-1812 EPA ID# 00362J
WATER

THIS DECREE AMENDS CERTAIN ARTICLES OF THE GENERAL WATER PROTECTION DECREE OF JUNE 19, 1972, WHICH APPLY TO A) BUILDING PERMITS, B) SEWERAGE SYSTEMS, AND C) CONDITIONS UNDER WHICH CERTAIN SEWERAGE AND WASTEWATER TREATMENT FACILITIES MAY QUALIFY FOR FEDERAL FINANCIAL SUBSIDIES. AMONG REQUIREMENTS FOR A PERMIT FOR A NEW OR REMODELED STRUCTURE IS THE PROVISION THAT THE STRUCTURE BE CONNECTED TO A CANALIZATION SYSTEM WITHIN GIVEN TIME PERIODS. CONDITIONS UNDER WHICH STATE FUNDS MAY BE GRANTED FOR CONSTRUCTION OF SEWAGE COLLECTING PIPES, WASTEWATER TREATMENT FACILITIES, AND RAIN CLARIFICATION INSTALLATIONS ARE LISTED. IN ORDER FOR A FACILITY TO RECEIVE FEDERAL FUNDS, THE CANTONS MUST CONTRIBUTE SPECIFIED PORTIONS OF TOTAL FUNDING.

SWITZERLAND
LR(B)

PROVISIONAL RECOMMENDATIONS FOR THE REGULAR ANALYSIS OF SURFACE WATERS IN SWITZERLAND
SWITZERLAND. FEDERAL INTERIOR DEPARTMENT
FRENCH 05/29/74 PGS 1-67 EPA ID# 02497A
WATER

THIS FEDERAL DEPARTMENT OF THE INTERIOR PUBLICATION SETS FORTH SWITZERLAND'S PRESENT PROGRAM OF SURFACE WATER ANALYSIS, PRESENTING PROVISIONAL GUIDELINES FOR THE VARIOUS TYPES OF ANALYSES TO BE PERFORMED, THE FREQUENCY AND CONDITIONS OF SAMPLINGS, AND SAMPLING STATION REQUIREMENTS. ALSO PRESENTED IN THE PAMPHLET ARE THE FEDERAL SUBSIDIES QUALIFICATION GUIDELINES.

SWITZERLAND
LR(A)

"APRIL 20, 1972 AGREEMENT BETWEEN SWITZERLAND AND ITALY ON THE PROTECTION OF SWISS-ITALIAN WATERS AGAINST POLLUTION." PUBLICATION 11442

GERMAN 00/00/72 PGS 1-9 EPA ID# 03435A
WATER

THIS SWISS PUBLICATION CONTAINS THE AGREEMENT BETWEEN SWITZERLAND AND ITALY ON THE PROTECTION OF SWISS-ITALIAN WATERS AGAINST POLLUTION, PLUS THE MESSAGE OF THE FEDERAL COUNCIL TO THE FEDERAL ASSEMBLY REGARDING THE AGREEMENT AND THE DECREE OF THE FEDERAL ASSEMBLY ON THE AGREEMENT. THE LATTER TWO DOCUMENTS WERE NECESSARY TO ALLOW RATIFICATION OF THE AGREEMENT BY THE SWISS GOVERNMENT. THE MESSAGE OF THE FEDERAL COUNCIL CONTAINS INFORMATION ABOUT PREVIOUS COOPERATION IN POLLUTION CONTROL BETWEEN THE TWO COUNTRIES AND SUMMARIZES MAJOR PROVISIONS OF THE AGREEMENT. THE AGREEMENT APPLIES TO ENUMERATED SURFACE AND GROUNDWATERS, INCLUDING LAKE MAGGIORE AND LAKE LUGANO AND WATERCOURSES ALONG OR CROSSING THE BORDER. IT PROVIDES FOR FORMATION OF THE MIXED COMMISSION FOR PROTECTION OF SWISS-ITALIAN WATERS TO STUDY POLLUTION PROBLEMS; INVESTIGATE THE SOURCE, NATURE AND SIGNIFICANCE OF POLLUTION; AND SUGGEST MEANS TO REMOVE PRESENT AND PREVENT FUTURE POLLUTION.

EUR
SWITZERLAND
PM(A)

SITUATION ACTUELLE ET PERSPECTIVES DANS LE DOMAINE DE LA POLLUTION DE L'AIR EN SUISSE. (CURRENT SITUATION AND THE OUTLOOK IN THE AREA OF AIR POLLUTION IN SWITZERLAND)
SWITZERLAND. FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION EPA
FRENCH 10/12/72 PGS 1-4 ID# 01013A
ALSO LRB
AIR

THIS INFORMATION SHEET TRACES SWISS EFFORTS TO CURB AIR POLLUTION, BEGINNING WITH THE FEDERAL COMMISSION ON AIR HYGIENE, SET UP IN 1961 ON AN INTERDISCIPLINARY BASIS TO STUDY THE EMISSIONS OF INDUSTRY, HOME WORKSHOPS, DOMESTIC DWELLINGS, AND MOTOR VEHICLES; THE EFFECTS OF AIR POLLUTION ON MAN AND HIS ENVIRONMENT; AND THE PROTECTIVE MEASURES THAT CAN BE TAKEN. THIS INFORMATION SHEET OUTLINES LEGISLATION NOW IN FORCE AND CITES SUCH RECENT DEVELOPMENTS AS THE 1971 CONSTITUTIONAL AMENDMENT, THE CREATION OF THE FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION, AND THE LIMITATIONS PLACED ON THE EMISSION OF SMOKE. LISTED ARE THE ACCEPTABLE SULFUR AND ASH CONTENTS FOR HEATING OILS AND THE ALLOWABLE LEAD CONTENT IN AUTOMOTIVE GASOLINE. A CONCLUDING PARAGRAPH MENTIONS A NEW POLLUTION LAW DEALING SPECIFICALLY WITH AIR AND NOISE THAT IS CURRENTLY BEING DRAWN UP.

SWITZERLAND
PM(B)

PROBLEMES DE L'HYGIENE DE L'AIR (PROBLEMS OF AIR HYGIENE)
EPA
FRENCH 00/00/74 PGS 1-100 ID# 02357A
AIR

THIS BOOKLET, PARTIALLY REPRINTED FROM THE BULLETIN FOR THE FEDERAL DEPARTMENT OF PUBLIC HYGIENE (MARCH 23, 1974), CONTAINS INFORMATION COMPILED BY THE FEDERAL COMMISSION ON AIR HYGIENE TO AID IN THE EVALUATION OF PROBLEMS ASSOCIATED WITH AIR POLLUTION WHEN FUTURE ENVIRONMENTAL LEGISLATION IS FORMULATED. IT DISCUSSES THE CAUSES OF AIR POLLUTION, ITS EFFECTS ON MAN AND ON PLANT LIFE, COMPONENTS OF AIR POLLUTION AND ALTERATION OF NORMAL ATMOSPHERIC OXYGEN BALANCE. ALSO CONSIDERED ARE MEANS TO MAINTAIN AIR PURITY, INCLUDING GENERAL OBJECTIVES, TECHNICAL AND LEGAL MEASURES, AIR MONITORING POSSIBILITIES, AMBIENT AIR QUALITY STANDARDS AND MEASURES FOR EMERGENCY CONDITIONS. EXISTING LEGAL REGULATORY TOOLS ARE LISTED FOR HEATING INSTALLATIONS, INDUSTRIAL AND COMMERCIAL CONCERNS, AND EXHAUST GASES. FUTURE LEGAL STANDARDS FOR MOTOR VEHICLE EXHAUST GASES ARE DISCUSSED. THE BOOKLET INCLUDES INITIAL SUMMARIES IN GERMAN AND FRENCH. THE TWO APPENDIXES DISCUSS ELEMENTS OF TOXICOLOGY AND PROVIDE DEFINITIONS OF TERMINOLOGY.

EUR
SWITZERLAND
PM(A)

"DUTIES AND ORGANIZATION OF THE FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION."
UMWELTSCHUTZ IN DER SCHWEIZ
SWITZERLAND. FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION EPA
GERMAN 00/00/74 PGS 98-102 ID# 003728
GENERAL

THIS ARTICLE BY URS BALSIGER DISCUSSES THE FUNCTIONS AND STRUCTURE OF THE FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION. MAJOR ACTIVITIES INCLUDE PREPARATION OF ENVIRONMENTAL LAW, COORDINATION OF FEDERAL AND FEDERAL-CANTONAL ACTIVITIES, ADVICE AND INFORMATION, PLANNING AND FURTHERING OF EFFORTS IN ALL AREAS OF WATER, AIR AND NOISE QUALITY. THE OFFICE, EMPLOYING 72 PERSONS, CONSISTS OF THE DIRECTORATE AND STAFF OFFICES (SECRETARIAT, LEGAL SERVICES, ECONOMIC AFFAIRS, INTERNATIONAL ORGANIZATIONS AND INFORMATION SERVICE) AND TWO MAJOR SUBDIVISIONS: ONE DEALING WITH WATER PROTECTION AND ONE DEALING WITH AIR QUALITY AND NOISE CONTROL. WHILE WORKING ON THE BASIS OF EXISTING FEDERAL AND CANTONAL LEGISLATION, THE OFFICE IS LAYING GROUNDWORK FOR COMPREHENSIVE ENVIRONMENTAL LEGISLATION AND DEVELOPING THE FRAMEWORK OF OVERALL ENVIRONMENTAL GOALS. AN ORGANIZATION CHART DATED JANUARY 1, 1974 IS INCLUDED.

SWITZERLAND
PM(A)

LES PROBLEMES D'ENVIRONMENT EN SUISSE (PROBLEMS OF THE ENVIRONMENT IN SWITZERLAND)
SWITZERLAND. FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION EPA
FRENCH 09/18/72 PGS 1-42 ID# 01012A
ALSOPMB
GENERAL WATER AIR NOISE

THIS DOCUMENT, PREPARED BY THE SWISS ENVIRONMENTAL PROTECTION OFFICE FOR PRESENTATION AT A CONFERENCE SPONSORED BY THE COUNCIL OF EUROPE, DISCUSSES BASIC NATIONAL ENVIRONMENTAL CONDITIONS AND THE URGENT TASKS TO BE UNDERTAKEN TO PROTECT MAN AND HIS ENVIRONMENT. WITH PARTICULAR STRESS ON THE LEGAL AND CONSTITUTIONAL BASES FOR ACTION, THE DOCUMENT DEVOTES ATTENTION TO THE PROBLEMS OF WATER, AIR AND NOISE POLLUTION AND TO THOSE OF THE PRESERVATION OF THE NATIONAL LANDSCAPE. IT CALLS FOR GREATER INTERNATIONAL COOPERATION, ESPECIALLY IN REGARD TO THE ESTABLISHMENT OF STANDARDS IN THE CONSTRUCTION, EQUIPMENT, AND USE OF MOTOR VEHICLES AND TO THE REGULATION OF THE COOLANTS THAT ARE USED IN THERMAL AND NUCLEAR POWER PLANTS, AND FOR MORE INTENSIFIED RESEARCH, PARTICULARLY IN THE AREA OF POLLUTANT DISPERSION, HEAT POLLUTION, PREVENTIVE MEDICINE, AND OF QUESTIONS CONCERNED WITH THE SOCIO-MEDICAL TOLERANCE OF MAN TO NOISE.

EUR
SWITZERLAND
PM(A)

L'ORGANISATION ET LES TACHES DU NOUVEL OFFICE FEDERAL DE LA PROTECTION DE L'ENVIRONNEMENT (THE ORGANIZATION AND TASKS OF THE NEW FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION)
BALDINGER, M.F. EPA
FRENCH 11/18/71 PGS 1-9 ID# 01020A
ALSO LRB
GENERAL

THIS GENERAL PRESENTATION, DELIVERED BY THE DIRECTOR OF SWITZERLAND'S FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION, DEALS WITH THE MEANING OF POLLUTION, WAYS IN WHICH THE CONFEDERATION CAN ACT TO PROTECT THE NATURAL ENVIRONMENT, AND THE ORGANIZATION AND RESPONSIBILITIES OF THE ENVIRONMENTAL PROTECTION OFFICE. THE DIRECTOR STRESSES THE IMPORTANCE OF LEGISLATION AND OF COORDINATION WITH OTHER GOVERNMENT AGENCIES.

SWITZERLAND
PM(A)

"QUICKLY AND WITH LITTLE EFFORT." UMWELT: FORSCHUNG, GESTALTUNG, SCHUTZ
NO. 3.
TROXLER, K. H. EPA
GERMAN 06/00/73 PGS 34-35 ID# 02165A
GENERAL

THIS ARTICLE DESCRIBES THE COORDINATION OFFICE FOR ENVIRONMENTAL PROTECTION ESTABLISHED IN THE CANTON OF ZURICH. LOCATED IN THE HEALTH DEPARTMENT, THE OFFICE FURNISHES INFORMATION ON ENVIRONMENTAL LAW AND REGULATIONS AND PROMOTES COOPERATION BETWEEN THE VARIOUS AGENCIES HAVING ENVIRONMENTAL JURISDICTION. IT ALSO SERVES AS A POINT OF CONTACT TO THE FEDERAL ENVIRONMENTAL AGENCY IN BERN AND TO THE ENVIRONMENTAL OFFICES IN OTHER CANTONS, AS WELL AS TO THE COMMUNITIES. THE OFFICE ADMINISTERS FUNDS FOR PILOT STUDIES AND PROBLEM ANALYSES. ASIDE FROM ITS COORDINATING FUNCTION, OTHER MAJOR RESPONSIBILITIES OF THE OFFICE ARE TO PROVIDE INFORMATION AND TO SERVE AS A RECEIVER OF COMPLAINTS.

SWITZERLAND
PM(A)

UMWELTSCHUTZ IN DER SCHWEIZ (ENVIRONMENTAL PROTECTION IN SWITZERLAND)
SWITZERLAND. FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION EPA
GERMAN 00/00/74 PGS 1-110 ID# 02349A
ALSO PMB
GENERAL WATER AIR NOISE SOLID WASTE

THIS BOOKLET, CONSISTING OF 20 ARTICLES THAT ORIGINALLY APPEARED IN "CHEMISCHE RUNDSCHAU" ISSUES FROM JANUARY TO MAY 1974 AND A PREFACE BY THE DIRECTOR OF THE FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION, OFFERS AN OVERVIEW OF THE OFFICE'S ACTIVITIES. IT AFFORDS INSIGHT INTO THE KIND OF STUDIES THAT PRECEDED PREPARATION OF CERTAIN ENVIRONMENTAL LEGISLATION, THE OFFICE'S REGULATORY CAPABILITIES, ITS COORDINATING EFFORTS ACROSS CANTONAL AND NATIONAL BOUNDARIES AND WITHIN FEDERAL ADMINISTRATIVE AREAS, AND ITS ADVISORY AND PUBLICITY FUNCTIONS. THE INTRODUCTORY SECTION INCLUDES A GENERAL ARTICLE ON ENVIRONMENTAL PROTECTION IN SWITZERLAND BY THE DIRECTOR OF THE ENVIRONMENTAL OFFICE. OTHER SECTIONS TREAT WATER AND SOLID WASTES; AIR AND NOISE; ENVIRONMENTAL LAW, PARTICULARLY WATER LAW; DUTIES AND ORGANIZATION OF THE FEDERAL ENVIRONMENTAL OFFICE (INCLUDING AN ORGANIZATIONAL CHART); AND A PROGNOSIS FOR THE FUTURE OF ENVIRONMENTAL CONTROL IN SWITZERLAND.

EUR
SWITZERLAND
PM(B)

JAHRBUCH FUER UMWELTSCHUTZ 1973. FACHBUCH FUER ALLE BEREICHE DES UMWELTSCHUTZES
(ENVIRONMENTAL PROTECTION YEARBOOK 1973)
VOGEL, H. E., ED.
EPA
GERMAN
PGS 1-207 ID# 02389A
ALSO LRB/*AFTER AUTUMN 1973
GENERAL WATER AIR SOLID WASTE NOISE PESTICIDES

THIS YEARBOOK, EDITED BY THE MANAGER OF THE SWISS UNION FOR WATER PROTECTION AND AIR HYGIENE AND OF THE OFFICE FOR COORDINATION OF ENVIRONMENTAL PROTECTION, CONSISTS OF A SERIES OF ARTICLES BY EXPERTS IN VARIOUS FIELDS. IT IS INTENDED AS A REFERENCE TO INFORMATION IN DIVERSE AREAS OF ENVIRONMENTAL PROTECTION. THIS EDITION CONTAINS A GENERAL INTRODUCTORY ARTICLE BY THE DIRECTOR OF THE FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION. THERE ARE ARTICLES ON SCIENCE, TECHNOLOGY, NATURE, AGRICULTURE, FORESTRY AND MEDICINE RELEVANT TO ENVIRONMENTAL PROTECTION. OTHER ARTICLES DEAL WITH SWISS ENVIRONMENTAL LEGISLATION, WATER LAW, WATER MANAGEMENT, DETERGENTS AND OTHER CHEMICAL SUBSTANCES. ADDITIONAL ARTICLES TREAT LAND PLANNING, NOISE CONTROL, WASTE MANAGEMENT, THE ENERGY INDUSTRY, COORDINATION OF EFFORTS IN INDUSTRIAL SECTORS, AND EDUCATION FOR ENVIRONMENTAL PROTECTION. CONCLUDING CHAPTERS LIST VARIOUS SWISS GOVERNMENT ENVIRONMENT OFFICES AND MEMBERS OF THE INDEPENDENT OFFICE FOR COORDINATION OF ENVIRONMENTAL PROTECTION.

SWITZERLAND
PM(B)

"INFORMATION FROM THE FEDERAL GOVERNMENT AND THE CANTONS." JAHRBUCH FUER UMWELTSCHUTZ. FACHBUCH FUER ALLE BEREICHE DES UMWELTSCHUTZES
VOGEL, H. E., ED.
EPA
GERMAN
PGS 155-156 ID# 02396A
GENERAL WATER

THIS ARTICLE SUMMARIZES RECENT LEGAL-ADMINISTRATIVE LANDMARKS IN SWITZERLAND'S EFFORTS TO PROTECT THE ENVIRONMENT. ARTICLE 24 (7) OF THE FEDERAL CONSTITUTION RELATIVE TO THE ENVIRONMENT WAS APPROVED BY REFERENDUM BY 93.5 PERCENT OF THE PEOPLE IN 1971. IN JULY 1972, THE MORE STRINGENT FEDERAL LAW ON PROTECTION OF WATER AGAINST POLLUTION (ENACTED OCTOBER 8, 1971) REPLACED AN OLDER LAW. THE FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION WAS ESTABLISHED IN THE INTERIOR MINISTRY MAY 26, 1971. THE FEDERAL INSTITUTE FOR PROVISION OF WATER, SEWAGE PURIFICATION AND WATER PROTECTION, AN ANNEX INSTITUTE OF THE FEDERAL TECHNICAL UNIVERSITY IN ZURICH, OFFERS ADVISORY SERVICES TO COMMUNITIES AND INDUSTRY. ALL CANTONS HAVE OFFICES FOR WATER PROTECTION. ASSIGNMENT OF RESPONSIBILITY IN THE AREA OF AIR POLLUTION IS IN A STATE OF DEVELOPMENT AND GIVEN TO VARIOUS OFFICES, INCLUDING THOSE FOR ENVIRONMENT, WATER AND HEALTH, IN DIFFERENT CANTONS. THE CANTONAL OFFICES FOR WATER PROTECTION ARE LISTED WITH ADDRESSES AND PHONE NUMBERS.

EUR
SWITZERLAND
PM(A)

ENVIRONMENTAL PROTECTION IN SWITZERLAND
SWITZERLAND. FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION EPA
ENGLISH 09/00/73 PGS 1-39 ID# 02668A
ALSO LRB
GENERAL

THIS REPORT BY THE SWISS FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION SURVEYS THE PRESENT STATUS OF ENVIRONMENTAL PROTECTION IN SWITZERLAND. AFTER A GENERAL INTRODUCTORY SECTION DESCRIBING THE MOST URGENT PROBLEMS NOW FACING AUTHORITIES, THE REPORT EXAMINES THE MAIN SHORT TERM EFFORTS UNDERTAKEN AT THE FEDERAL LEVEL AS WELL AS SOLUTIONS THAT HAVE BEEN CHOSEN AT THE LOCAL LEVEL IN THE FIGHT AGAINST WATER POLLUTION AND OTHER ENVIRONMENTAL NUISANCES AND IN THE PROTECTION OF LANDSCAPE, NATURE AND SITES. IN EACH INSTANCE THE REPORT CONSIDERS THE GENERAL SITUATION, THE LEGAL BASIS FOR ACTION, AND THE APPLICATION OF THE LAWS AS WELL AS ADMINISTRATIVE MEASURES UNDERTAKEN IN RESPONSE TO THEM. FINALLY, CONSIDERATION IS GIVEN TO REGIONAL PLANNING AND THE FINANCIAL AND ECONOMIC ASPECTS OF ENVIRONMENTAL PROTECTION.

SWITZERLAND
PM(A)

ORGANISATIONS FEDERALES RESPONSABLES DES PROBLEMES DE L'ENVIRONNEMENT
(FEDERAL ORGANIZATIONS IN CHARGE OF ENVIRONMENTAL PROTECTION)
SWITZERLAND. FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION EPA
FRENCH PGS 1-6 ID# 02690A
ALSO LRB
GENERAL

THIS PUBLICATION FROM THE SWISS FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION PROVIDES A BREAKDOWN OF THE VARIOUS FEDERAL ORGANIZATIONS RESPONSIBLE FOR ENVIRONMENTAL PROTECTION IN SWITZERLAND. ALSO DESIGNATED ON THE CHART ARE THE VARIOUS OFFICIALS HEADING THESE AGENCIES AND THEIR SUBDIVIDIONS, ALONG WITH AGENCY OBJECTIVES AND FUNCTIONS, AND TITLES OF ENVIRONMENTAL PUBLICATIONS ISSUED BY THE AGENCIES.

SWITZERLAND
PM(B)

RECHERCHES SUR L'ENVIRONNEMENT EN SUISSE (ENVIRONMENTAL RESEARCH IN SWITZERLAND)
SWITZERLAND. FEDERAL ENVIRONMENTAL PROTECTION OFFICE EPA
FRENCH* 12/00/74 PGS 1-442 ID# 02759A
*ALSO GERMAN
GENERAL

THESE TWO COMPLEMENTARY PUBLICATIONS OF THE SWISS FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION PRESENT AN INVENTORY OF ALL ENVIRONMENTALLY RELATED RESEARCH PROJECTS WHICH HAVE BEEN, OR ARE BEING, CONDUCTED IN SWITZERLAND. THE INVENTORY WHICH WAS COMPILED BY THE SWISS ASSOCIATION FOR RESEARCH ON THE ENVIRONMENT WAS AUTHORIZED BY THE DEPARTMENT OF THE INTERIOR TO ASSIST ITS ENVIRONMENTAL OFFICE IN THE DEVELOPMENT OF LEGISLATION AND IN THE IMPLEMENTATION OF ADOPTED REGULATIONS. CONTAINED IN THE FIRST VOLUME ARE AN INTRODUCTION AND INDEX TO THE CATALOG OF RESEARCH WHICH ITSELF CONSTITUTES THE SECOND VOLUME. A THEMATIC APPROACH IS EMPLOYED IN THE PRESENTATION OF THE RESEARCH PROJECTS AND THE ORGANIZATIONS SPONSORING THEM.

EUR
SWITZERLAND
PM(B)

RECHERCHE SUR L'ENVIRONNEMENT EN SUISSE (ENVIRONMENTAL RESEARCH IN SWITZERLAND)
SWITZERLAND. FEDERAL ENVIRONMENTAL PROTECTION OFFICE EPA
FRENCH* 02/00/75 PGS 1-160 ID# 027598
*ALSO GERMAN
GENERAL

THIS BILINGUAL CATALOG OF THE SWISS FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION CONSTITUTES THE THIRD AND FINAL VOLUME IN A SERIES OF PUBLICATIONS DEALING WITH ENVIRONMENTAL RESEARCH IN SWITZERLAND. THE FIRST TWO VOLUMES, WHICH CONTAIN AN INTRODUCTION AND INVENTORY OF SWISS ENVIRONMENTAL RESEARCH PROJECTS, ARE SUPPLEMENTED IN THIS VOLUME BY A CATALOG OF ENVIRONMENTALLY RELATED PROBLEMS. THE THEMATIC APPROACH USED IN THE PRESENTATION OF THE INVENTORY EMPLOYS THE FOLLOWING CATEGORIES: SOCIAL AND CULTURAL PROBLEMS, ECONOMIC, POLITICAL AND RESOURCE PROBLEMS, AS WELL AS PROBLEMS OF EMISSION AND IMMISSION. THE PURPOSE OF THE INVENTORY, AS DEFINED IN THE PREFACE TO THIS VOLUME, IS TO PROVIDE THE MEANS OF DISCERNING RESEARCH DATA DEFICIENCIES AND TO PERMIT A COORDINATION OF ALL ONGOING SWISS RESEARCH.

SWITZERLAND
PM(A)

LA PROTECTION DE L'EVIRONNEMENT EN SUISSE (ENVIRONMENTAL PROTECTION IN SWITZERLAND)
SWITZERLAND. OFFICE OF ENVIRONMENTAL PROTECTION EPA
FRENCH 01/00/75 PGS 1-44 ID# 03270A
GENERAL

THIS REPORT BY THE SWISS FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION, AN UPDATED VERSION OF EARLIER EDITIONS, SURVEYS THE STATUS OF ENVIRONMENTAL PROTECTION IN SWITZERLAND IN 1975. A GENERAL INTRODUCTORY SECTION PRESENTS AN EXAMINATION OF THE PROTECTIVE MEASURES WHICH HAVE BEEN ADOPTED IN EACH OF THE FOLLOWING AREAS: WATER POLLUTION CONTROL; SOLID WASTE CONTROL; AIR POLLUTION AND NOISE CONTROL; AND LAND CONSERVATION. CONSIDERATION IS GIVEN TO THE LEGAL BASES FOR ALL ENVIRONMENTAL ACTION, AS WELL AS TO ADMINISTRATIVE MEASURES UNDERTAKEN AT THE FEDERAL AND CANTONAL LEVEL. ALSO DISCUSSED IN THE REPORT ARE THE NATIONAL ENVIRONMENTAL AGENCIES AND ORGANIZATIONS, ALONG WITH THE ECONOMIC AND FINANCIAL ASPECTS OF ENVIRONMENTAL PROTECTION.

SWITZERLAND
PM(B)

"THE PROBLEM OF AIRCRAFT NOISE AROUND AIRFIELDS." AERE REVUE
STOUKY, CLAUDE EPA
FRENCH 11/00/73 PGS 573-575 ID# 01364D
ALSO LRB
NOISE

THIS ARTICLE EXAMINES SWISS NOISE-POLLUTION LEGISLATION, ESPECIALLY AS IT APPLIES TO SMALL AIRFIELDS AND SMALL AIRCRAFTS. THE AUTHOR POINTS OUT THAT THE PERCEIVED-NOISE DECIBEL UNIT IS SPECIFIC ONLY FOR JET ENGINES. IT WAS SWITZERLAND THAT FIRST INTRODUCED IN JULY 1971 MEASURES APPLICABLE TO SMALL PISTON AIRCRAFT WITH A MAXIMUM TAKEOFF WEIGHT OF 5700 KG. THE AUTHOR OFFERS RECOMMENDATIONS FOR REDUCING NOISE AT SMALL FIELDS AND CITES THE ROLE THAT THE FIELD MANAGER CAN PLAY. THE CONTINUED USE OF SMALL AIRFIELDS DEPENDS ON LIMITING AIRCRAFT NOISE BY TECHNICAL MEANS AND BY MAINTAINING LASTING CONTACTS WITH LOCAL AUTHORITIES.

EUR
SWITZERLAND
PM(B)

VERZEICHNIS 1975. PFLANZENSCHUTZMITTEL.... (1975 INDEX OF PESTICIDES AND OTHER AUXILIARY SUBSTANCES APPROVED FOR AGRICULTURE)

EPA
GERMAN* 04/00/75 PGS 1-168 ID# 03298A
*ALSO FRENCH
PESTICIDES

THE INITIAL CHAPTER OF THIS PUBLICATION EXPLAINS THAT PESTICIDES MUST BE APPROVED BY THE FEDERAL OFFICE OF PUBLIC HEALTH AND THE APPROPRIATE FEDERAL AGRICULTURAL RESEARCH INSTITUTES IN SWITZERLAND PRIOR TO SALE IN CONFORMANCE WITH PROVISIONS OF THE OCTOBER 3, 1951 FEDERAL AGRICULTURAL LAW AND THE MARCH 21, 1969 POISONS LAW. THIS INDEX THEREFORE LISTS ALL PESTICIDES THAT HAVE BEEN PROVISIONALLY OR DEFINITIVELY APPROVED AND THAT ARE AVAILABLE ON THE SWISS MARKET UNDER THE FOLLOWING CHAPTER TITLES: 1) TOXICOLOGICAL QUESTIONS RELATING TO PEST CONTROL PRODUCTS (INCLUDING SECTIONS ON WATER PROTECTION AND FOODSTUFFS), 2) FUNGICIDES AND BACTERICIDES, 3) INSECTICIDES AND ACARICIDES, 4) MIXED PREPARATIONS, 5) SNAIL CONTROL PRODUCTS, 6) PRODUCTS FOR GRAFTING AND SCAR CICATRIZATION, 7) ADJUVANTS, 8) SEED DISINFECTANTS, 9) STABLE INSECTICIDES, 10) HERBICIDES, AND 11) GROWTH REGULATORS. FINAL ALPHABETICAL LISTS INDICATE PRODUCTS BY CHEMICAL AND COMMERCIAL NAMES AND NAMES OF FIRMS HANDLING THE PRODUCTS.

SWITZERLAND
PM(B)

"FEDERAL COUNCIL REPLIES TO TWO MINOR QUERIES ON NUCLEAR ENERGY." BULLETIN (OF THE SWISS ASSOCIATION FOR ATOMIC ENERGY), V. 15, NO. 21

EPA
GERMAN 12/00/73 PGS 5 ID# 01761A
RADIATION

THIS ARTICLE SUMMARIZES THE RESPONSES OF THE FEDERAL COUNCIL OF SWITZERLAND TO QUERIES BY TWO NATIONAL COUNCILLORS ON THE FEASIBILITY OF POSTPONING CONSTRUCTION OF NUCLEAR POWER PLANTS AND ON THE NUMBER OF PLANTS REQUIRED BY 1985 AND WHETHER PROBLEMS ASSOCIATED WITH LOCATION AND WITH THE SAFE DISPOSAL OF RADIOACTIVE WASTES HAVE BEEN RESOLVED. THE FEDERAL COUNCIL REPLIED THAT IF NUCLEAR POWER PLANTS ARE NOT BUILT, ABOUT 10 THERMAL PLANTS USING OIL WOULD HAVE TO BE CONSTRUCTED, AN ACTION INCOMPATIBLE WITH ENVIRONMENTAL PROTECTION AND BOUND TO INCREASE SWITZERLAND'S DEPENDENCE ON FOSSIL FUELS. TO THE SECOND QUERY, THE COUNCIL REPLIED THAT BY 1985 FOUR TO FIVE NEW NUCLEAR POWER PLANTS (800 TO 1000 MW) WILL BE REQUIRED AND THAT THE FEDERATION EXAMINES THROUGH ITS APPROPRIATE AUTHORITIES AND COMMISSIONS PROPOSED SITES FOR NUCLEAR POWER PLANTS BEFORE GRANTING CONSTRUCTION APPROVAL. IT ADDED THAT THE PROBLEM OF WASTE STORAGE IN SWITZERLAND WILL BE ABLE TO BE SOLVED IN SUFFICIENT TIME AND IN A SATISFACTORY MANNER.

EUR
SWITZERLAND
PM(8)

LANDWIRTSCHAFTLICHE KLARSCHLAMM-VERWERTUNG (AGRICULTURAL USE OF TREATED SLUDGE)

EPA
GERMAN 00/00/71 PGS ID# 00207A
SOLID WASTE

THIS PUBLICATION IS A COMPILATION OF PAPERS GIVEN AT A MEETING HELD 6/30 TO 7/2 (DUBENDORF, SWITZERLAND). THE 2 MAJOR SUBJECTS DEALT WITH: RECOVERY OF TREATED SLUDGE & UTILIZATION OF TREATED SLUDGE IN AGRIC. UNDERLYING THE NEED FOR THE MEETING, OR BASIC COURSE, AS IT WAS CALLED, ARE THE FACTS THAT: (1) THIS WASTE MATTER DOES EXIST;(2) IT HAS TO BE DISPOSED OF IN SOME MANNER & (3) IT CAN BE PUT TO SOME PROFITABLE AGRIC.USE IF PROPERLY PROCESSED. BECAUSE KNOWLEDGE CONCERNING POINT (3) WAS NOT WIDELY KNOWN, IT WAS DECIDED THAT A MEETING SHOULD BE HELD AT WHICH PAPERS WOULD BE PRESENTED & DISCUSSIONS HELD CONCERNING THE UTILIZATION OF TREATED WASTE IN AGRIC. ATTENDEES WERE FROM SWITZ.,GERM.& LIECHTENSTEIN. AMONG THE THINGS BROUGHT OUT AT THE MEETING WAS THE FACT THAT THERE ARE REAL DANGERS OF BIOLOGICAL POISONING BROUGHT ABOUT BY THE LACK OF KNOWLEDGE AND THE FAILURE TO FOLLOW PROPER PROCEDURES IN PROCESSING & UTILIZING SLUDGE.

SWITZERLAND
PM(6)

EIDG. KOMMISSION FUER ABFALLWIRTSCHAFT. ERSTER TAETIGKEITSBERICHT: 1974
(FEDERAL COMMISSION FOR SOLID WASTE MANAGEMENT. FIRST REPORT OF ACTIVITIES: 1974)
SWITZERLAND. FEDERAL COMMISSION FOR SOLID WASTE MANAGEMENT EPA
GERMAN 01/31/75 PGS 1-10 ID# 03279A
SOLID WASTE

THIS REPORT DISCUSSES ACTIVITIES OF THE FEDERAL COMMISSION FOR SOLID WASTE MANAGEMENT IN SWITZERLAND, ESTABLISHED BY A DECISION OF THE FEDERAL COUNCIL ON NOVEMBER 7, 1973. TASKS OF THE 26-MEMBER COMMISSION ARE: 1) TO ADVISE THE DEPARTMENT OF THE INTERIOR AND THE FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION ON IMPORTANT ASPECTS OF SOLID WASTE MANAGEMENT AND 2) TO PROMOTE COOPERATION BETWEEN THE FEDERAL GOVERNMENT AND THE CANTONS, RESEARCH INSTITUTES, ECONOMIC ORGANIZATIONS, AND PROFESSIONAL ORGANIZATIONS. SECTIONS OF THE PUBLICATION DISCUSS PROJECTS OF THE WORKING GROUPS UNDER THE HEADINGS: MEASURES WHICH INFLUENCE THE OCCURRENCE OF RESIDENTIAL WASTES, EVALUATION OF KNOWN AND NEW PROCEDURES FOR REMOVAL OR RECLAMATION OF RESIDENTIAL WASTES, GUIDELINES AND INDICATORS ON PROCEDURES FOR REMOVAL OR RECLAMATION OF RESIDENTIAL WASTES, AND SPECIAL WASTES. A CONCLUDING PARAGRAPH CONSIDERS THE COMMISSION'S APPROACH TO A PROPOSED FEDERAL ENVIRONMENT LAW.

FUR
SWITZERLAND
PM(B)

POLLUTION: ETUDE SUR LA REGION LEMANIQUE (POLLUTION: STUDY OF THE LAKE GENEVA AREA)
BAETTING, M. & HAEGLER, D. EPA
FRENCH 02/00/72 PGS 81 ID# 00213A
ALSO ST
WATER AIR NOISE SOLID WASTE

THE STUDY SURVEYS THE ENVIRONMENTAL SITUATION IN THE LAKE GENEVA AREA, CONCENTRATING MAINLY ON THE CITIES OF GENEVA & LAUSANNE. ONE CHAPTER IS DEVOTED TO THE HAUTE SAVOIE. THE CAUSES OF WATER, NOISE & AIR POLLUTION ARE DISCUSSED & ANTI-POLLUTION MEASURES ARE EXAMINED. COSTS OF ANTI-POLLUTION DEVICES ARE DEEMED A NEGATIVE FACTOR TOWARD IMMEDIATE AMELIORATION OF THE PROBLEMS. COMPARISONS ARE MADE WITH SIMILAR CONDITIONS IN THE UNITED STATES, FRANCE & OTHER COUNTRIES. POLLUTION OF WATER BY INDUSTRY, PIGS & CATTLE ARE GIVEN ATTENTION. A CHAPTER IS DEVOTED TO PURIFICATION STATIONS, THEIR OPERATION (INCLUDING TREATMENT OF LIQUID & SOLID WASTE), DEVELOPMENT & FINANCING. THE HANDLING OF WATER POLLUTION BY THE LONZA PLANT IS DEALT WITH IN DETAIL. THE HANDLING OF REFUSE AND GARBAGE IS ALSO DISCUSSED; THE CANTON OF VAUD IS USED AS AN EXAMPLE. BOTH SWISS & FRENCH GOVERNMENTAL ACTION & COOPERATION ARE DEALT WITH IN A SEPARATE CHAPTER. THE FINAL SOLUTION IS CONCLUDED TO BE REGIONAL & SUPRA-NATIONAL.

SWITZERLAND
PM(B)

PROTECTION OF WATER IN SWITZERLAND AND INTERNATIONAL COOPERATION AIMED TOWARD PROTECTION OF THE RHINE AGAINST POLLUTION
URBANZYK ,U. EPA
FRENCH 12/10/70 PGS 1-2 ID# 00401A
WATER

SWITZERLAND AND HER NEIGHBORS ARE MAKING EFFORTS TOWARD SUPERVISING THE STATE OF THEIR WATERS AND RIVERS IN TERMS OF EMPLOYING IDENTICAL METHODS OF ANALYSIS AS WELL AS IMPLEMENTING UNIFORM SANITATION MEASURES. SWITZERLAND IS A MEMBER OF A FIVE-NATION GROUP CONCERNED WITH THE PREVENTION OF WATER POLLUTION. SWITZERLAND, THE GERMAN FEDERAL REPUBLIC, FRANCE, LUXEMBURG AND THE NETHERLAND ARE MEMBERS OF THE COMMISSION FOR THE PROTECTION OF THE RHINE AGAINST POLLUTION. THEY HAVE AGREED TO: 1. SEE TO IT THAT THE WHOLESOMENESS OF THE WATERS OF THE RHINE ARE MAINTAINED; 2. MAINTAIN THE STRUGGLE AGAINST POLLUTION; AND 3. IMPROVE THEIR ACTUAL STATE.
TASKS OF THE COMMISSION TOWARD THESE ENDS ARE SET FORTH. THE SECRETARIAT OF THE COMMISSION IS LOCATED IN KOBLENZ, GERMANY.

EUR
SWITZERLAND
PM(B)

ETAT DE LA CONSTRUCTION D'OUVRAGES SERVANT A LA PROTECTION DES EAUX EN SUISSE.
(THE STATE OF WATER PROTECTION WORKS IN SWITZERLAND)
SWITZERLAND. OFFICE OF ENVIRONMENTAL PROTECTION EPA
FRENCH 07/01/71 PGS 1-3 ID# 00997A
ALSO GERMAN. SE
WATER

THIS PRESS RELEASE SUMMARIZES THE RESULTS OF A FEDERALLY-INITIATED SURVEY AMONG THE CANTON AS THE STATE OF WATER PURIFICATION AND SEWAGE TREATMENT PLANTS. THE PRESENT RATE OF CONSTRUCTION OF PURIFICATION PLANTS SHOULD MEET THE NEEDS OF THE POPULATION WITHIN THE COMING DECADE, BUT THE PROBLEMS OF WATER POLLUTION WILL BE NOT PERMANENTLY SOLVED BY THIS CONSTRUCTION ALONE. EVEN MORE PRESSING WILL BE THE REQUIREMENT FOR EXPANDED FACILITIES TO KEEP PACE WITH INCREASING ACCUMULATIONS OF REFUSE.

SWITZERLAND
PM(B)

JAHRESBERICHT DER EAWAG FUER 1971 (ANNUAL REPORT OF THE EAWAG 1971)
EPA
GERMAN 00/00/71 PGS 1-43 ID# 01015A
WATER

THIS REPORT SUMMARIZES THE WORK OF THE SWISS NATIONAL INSTITUTE FOR WATER SUPPLY, WASTE-WATER PURIFICATION, AND WATER PROTECTION (EAWAG) IN ITS ANTI-POLLUTION PROGRAM IN 1971. THE FIRST TOPIC DISCUSSED IS THE THREE-PRONGED ROLE OF THE INSTITUTION: TO SERVE AS A SUPPORT ORGANIZATION FOR THE GOVERNMENT IN ITS WATER PROGRAM, TO BECOME A TECHNICAL SUPPORT CENTER FOR ENGINEERS CONCERNED WITH WATER, AND TO ACT AS A CONSULTING SOURCE FOR MAJOR POLLUTERS SUCH AS COMMUNITIES, INDUSTRIES, AND AGRICULTURE. THE REPORT ALSO DISCUSSES EAWAG RESEARCH IN WATER POLLUTION, ITS CONSULTATIVE ACTIVITIES AND PUBLICATONS, AND ITS ENDEAVORS IN EDUCATION AND PUBLIC RELATIONS. THE TEXT IS SUPPLEMENTED WITH ILLUSTRATIONS AND PHOTOGRAPHS.

SWITZERLAND
PM(B)

(PROPORTION OF THE NUMBER OF INHABITANTS OF SWITZERLAND WHO CAN BE SERVED BY COMMUNAL WATER TREATMENT PLANTS TO THE TOTAL POPULATION OF SWITZERLAND)
SWITZERLAND. FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION EPA
FRENCH 00/00/72 PGS 1 ID# 01023A
ALSO GERMAN
WATER

THIS ONE-PAGE BAR GRAPH, USING POPULATION DATA BASED ON THE 1960 AND 1970 SWISS CENUSES, PROVIDES INFORMATION ON PROPORTIONS OF THE SWISS POPULATION SERVED BY COMMUNAL WATER TREATMENT PLANTS. THE GRAPH INDICATES, FOR THE YEARS 1966 THROUGH 1972, THE PERCENTAGE OF THE TOTAL POPULATION SERVED BY INSTALLATIONS ALREADY IN OPERATION, THOSE TO BE SERVED BY INSTALLATIONS UNDER CONSTRUCTION, AND THE PERCENTAGE WHICH COULD BE SERVED BY PLANNED INSTALLATIONS.

EUR
SWITZERLAND
PM(B)

"THE CONFEDERATION PROPOSES SYSTEMATIC ANALYSES OF WATER." JOURNAL DE GENEVE

FRENCH 08/04/74 PGS 7 EPA ID# 02251A
WATER

THIS NEWSPAPER ARTICLE REPORTS THAT THE SWISS FEDERAL DEPARTMENT OF THE INTERIOR HAS RECOMMENDED THAT CANTONAL DEPARTMENTS RESPONSIBLE FOR THE PROTECTION OF WATER PERFORM SYSTEMATIC QUALITATIVE ANALYSES OF ALL SURFACE WATERS. RECOMMENDATIONS ISSUED BY THE DEPARTMENT WILL PERMIT THE CANTONS TO MAKE NECESSARY CHANGES IN THEIR WATER PROGRAMS AND TO COORDINATE THEIR ACTIVITIES WITH NEIGHBORING CANTONS BEFORE AN ORDINANCE ON THE SUBJECT IS ISSUED. THESE RECOMMENDATIONS WILL ALSO MAKE IT POSSIBLE TO COORDINATE PROGRESS ON VARIOUS WATER PROJECTS ON A NATIONAL LEVEL. THE VARIOUS SPECIALIZED OFFICES WITHIN THE FEDERAL ADMINISTRATION, INCLUDING THE FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION, WILL HELP THE CANTONS CARRY OUT THESE MEASURES. THE OFFICE OF ENVIRONMENTAL PROTECTION WILL ALSO BE AUTHORIZED TO SUBSIDIZE THE ANALYSES AND WILL PUBLISH A REPORT ON THE CONDITION OF SWISS SURFACE WATERS, BOTH STAGNANT AND RUNNING.

SWITZERLAND
PM(B)

GEWAESSERBIOLOGIE UND GEWAESSERSCHUTZ. LEITFADEN FUER LEHRER (WATER BIOLOGY AND WATER PROTECTION. MANUAL FOR TEACHERS)
SWITZERLAND. FEDERAL DEPARTMENT OF THE INTERIOR EPA
GERMAN 00/00/70 PGS 1-86 ID# 02364A
WATER

THIS BOOKLET IS INTENDED AS A GUIDE FOR TEACHERS IN BRINGING AWARENESS OF WATER POLLUTION AND THE NEED FOR PREVENTIVE MEASURES TO PUPILS AT VARIOUS SCHOOL LEVELS. SECTION I PRESENTS A GENERAL ORIENTATION IN THE SUBJECT OF WATER BIOLOGY AND WATER PROTECTION, DISCUSSING SUCH TOPICS AS BIOLOGICAL BALANCE IN UNPOLLUTED WATER, MECHANICAL AND BIOLOGICAL MEANS OF WATER PURIFICATION, AND CHEMICAL TREATMENT OF WASTEWATER. SECTION II OFFERS SIX CLASSROOM LESSONS IN WATER PROTECTION, INCLUDING AN INTRODUCTION, AND LESSONS ON MECHANICAL WASTEWATER PURIFICATION, BIOLOGICAL PURIFICATION, LAKES IN DANGER, MAN AND WATER, AND SOURCE OF DRINKING WATER. SECTION III PRESENTS TEN SIMPLE CHEMICAL EXPERIMENTS (FOR EXAMPLE, DETERMINATION OF CARBONATE HARDNESS IN WATER AND DETERMINATION OF TOTAL WATER HARDNESS THROUGH SOAP DISSOLUTION). OTHER SECTIONS GIVE SOURCES OF LIVING MATERIALS FOR THE CLASSROOM, SUGGEST USEFUL LITERATURE, SLIDES AND FILMS, AND GIVE A GLOSSARY OF TECHNICAL TERMS. ILLUSTRATIONS AND LINE-DRAWINGS ACCOMPANY THE TEXT.

EUR
SWITZERLAND
PM(B)

UNSER WASSER IN GEFAHR (OUR WATER IN DANGER)
SWITZERLAND. FEDERAL MINISTRY OF THE INTERIOR EPA
GERMAN PGS 1-23 ID# 02369A
WATER

THIS PUBLICATION IS MAGAZINE FORMAT, DIRECTED AT AWAKENING AWARENESS IN YOUTH OF THE DANGERS OF WATER POLLUTION, EMPHASIZES THE ROLE OF THE PUBLIC IN GUARANTEEING PURE DRINKING WATER AND IN BRINGING ABOUT THE REGENERATION OF RIVERS AND LAKES. PRINCIPAL SOURCES OF WATER POLLUTION ARE DISCHARGES OF HOME SEWAGE AND INDUSTRIAL WASTES AND LEAKAGE OF OIL INTO WATER BODIES. THE RESULT IS OFTEN LOSS OF BIOLOGICAL BALANCE IN RIVERS AND LAKES, DESTRUCTION OF FISH AND THE "DEATH" OF THE WATER. MICROORGANISMS NORMALLY PRESENT IN UNPOLLUTED WATER AND KINDS OF FISH INDIGENOUS TO SWITZERLAND ARE BRIEFLY DESCRIBED. MEASURES TO ALLEVIATE THE WATER POLLUTION PROBLEM AND THE RESPONSIBILITIES OF THE PUBLIC AND OF INDUSTRY ARE DISCUSSED. THE OPERATION OF A PURIFICATION PLANT IS OUTLINED. INCLUDED IS A MAP SHOWING THE STATUS OF WATER CLARIFICATION THROUGHOUT SWITZERLAND AS OF JANUARY 1, 1969. PHOTOGRAPHS AND DIAGRAMS COMPLEMENT THE TEXT.

SWITZERLAND
PM(B)

DIRECTIVES POUR LE CONTROLE ET LA SURVEILLANCE DES INSTALLATIONS SERVANT A L'EPURATION DES EAUX USEES (GUIDELINES FOR SURVEILLANCE OF WASTEWATER TREATMENT INSTALLATIONS)
SWITZERLAND. DEPARTMENT OF THE INTERIOR EPA
FRENCH 03/00/73 PGS 1-60 ID# 03150A
WATER

THIS PUBLICATION OF THE SWISS DEPARTMENT OF THE INTERIOR REPRODUCES THE FORMS WHICH ARE USED BY THE ENVIRONMENTAL PROTECTION OFFICE IN ITS SURVEILLANCE AND MONITORING OF WASTEWATER TREATMENT INSTALLATIONS. THESE FORMS ARE ACCOMPANIED BY TEXTUAL MATERIALS WHICH DESCRIBE THE GENERAL PURPOSES OF THE FORMS AND PROVIDE INSTRUCTIONS FOR THEIR COMPLETION. INCLUDED IN THE PUBLICATION ARE: 1) THE "TECHNICAL DATA QUESTIONNAIRE FOR INSTALLATIONS USED IN THE TREATMENT OF WASTEWATERS," TO PROVIDE DETAILED INFORMATION ON CAPABILITIES OF FACILITIES AND EQUIPMENT; 2) "REPORT ON THE EFFLUENT INFLOW AND MAJOR CONTROL OPERATIONS OF WASTEWATER TREATMENT FACILITIES," TO DETERMINE EFFICIENCY OF AN INSTALLATION; 3) "OPERATIONAL LOG," TO DESIGNATE FUNCTIONS BEING PERFORMED; AND 4) "ACCOUNTING STATEMENT."

SWITZERLAND
PM(B)

DIRECTIVES CONCERNANT L'UTILISATION DES ENGRAIS SELON DES PRINCIPES CONFORMES A L'ENVIRONNEMENT (DIRECTIVES ON ENVIRONMENTAL PROTECTION IN THE USE OF FERTILIZERS)
SWITZERLAND. FEDERAL AGRONOMIC RESEARCH STATIONS EPA
FRENCH PGS 1-24 ID# 03234A
WATER

THIS PUBLICATION, ISSUED BY THE FEDERAL STATIONS OF AGRONOMIC RESEARCH, THE FEDERAL INSTITUTE FOR THE MANAGEMENT, PURIFICATION AND PROTECTION OF WATERS, AND THE FEDERAL OFFICE OF ENVIRONMENTAL PROTECTION, IS INTENDED AS A SEQUEL TO "DIRECTIVES FOR MANURING" AND PROVIDES INFORMATION ON THE PROPER USE OF FERTILIZERS WITH RESPECT TO ENVIRONMENTAL PROTECTION. NITROGEN, PHOSPHORUS AND POTASSIUM ARE EXAMINED FOR THE POTENTIAL HAZARDS WHICH THEY PRESENT TO THE ENVIRONMENT. ALSO DISCUSSED ARE THE RISKS OF POLLUTION WHICH FERTILIZERS CREATE FOR RUNOFF WATER AND, THROUGH SEEPAGE, FOR GROUNDWATER.

EUR
SWITZERLAND
PM(B)

SCHWEIZERISCHE GRENZWERTE FUER DIE KONZENTRATION VON ABWASSERINHALTSSTOFFEN...
(SWISS THRESHOLDS FOR THE CONCENTRATION OF MATERIALS IN SEWAGE INTRODUCED INTO RECEIVING WATERS.)
MILANI,BRUNO EPA
GERMAN 00/00/75 PGS 1-19 ID# 03278A
WATER

THIS DISCUSSION, PREPARED BY AN ENGINEER FOR THE FEDERAL ENVIRONMENTAL PROTECTION OFFICE, STATES THAT A NEW ORDINANCE ON THE MAINTENANCE OF WATER PURITY IS TO REPLACE 1966 GUIDELINES ON THE QUALITY OF DISCHARGED SEWAGE. THE REPORT SEEKS TO SHOW WHAT CONSIDERATIONS WERE IMPORTANT IN SETTING THE THRESHOLDS AND HOW THESE STANDARDS, TOGETHER WITH OTHER REGULATIONS, WILL LEAD TO A REDUCTION OF WATER POLLUTION. SECTIONS DISCUSS, AMONG OTHER THINGS, THE SIGNIFICANCE OF EMISSIONS AND AMBIENT QUALITY STANDARDS IN THE ORDINANCE, GENERAL WATER QUALITY GOALS, THRESHOLDS FOR THE INTRODUCTION OF MATERIAL INTO PUBLIC SEWERAGE SYSTEMS AND INTO WATER BODIES, AND THE RELATIONSHIP OF POLLUTANT CONCENTRATION LEVELS IN WATER BODIES AND IN SEWAGE. APPENDIXES LIST: 1) REFERENCE SOURCES IMPORTANT IN SETTING THE THRESHOLDS IN THE ORDINANCE AND 2) OTHER LAWS, ORDINANCES, GUIDELINES AND INSTRUCTIONS IMPORTANT IN THE MAINTENANCE OF WATER QUALITY.

SWITZERLAND
PM(B)

EIDG. GEWAESSERSCHUTZKOMMISSION. ZWEITER GESCHAEFTSBERICHT 1974 (FEDERAL WATER PROTECTION COMMISSION. SECOND ANNUAL REPORT: 1974)
SWITZERLAND. FEDERAL WATER PROTECTION COMMISSION EPA
GERMAN 02/28/75 PGS 1-4 ID# 03281A
WATER

THIS REPORT OF THE SWISS FEDERAL WATER PROTECTION COMMISSION SUMMARIZES ITS ACTIVITIES IN 1974 AND PROVIDES AN OVERVIEW OF SWISS EFFORTS IN THE REDUCTION OF WATER POLLUTION. THE COMMISSION APPOINTED A SPECIAL COMMITTEE TO MAKE RECOMMENDATIONS FOR EXPANDING SOURCES OF FEDERAL MONIES FOR CONSTRUCTION OF WATER PROTECTION INSTALLATIONS. IN 1974 THE NEED FOR FUNDS FOR SUCH CONSTRUCTION WAS TWO OR THREE TIMES GREATER THAN CREDITS AVAILABLE. IN OTHER AREAS, THE COMMISSION EXPRESSED THE HOPE THAT RELATED PROVISIONS OF A DRAFT NATIONAL ENVIRONMENTAL LAW AND THE WATER PROTECTION LAW MIGHT BE COORDINATED, TOOK A STAND ON THREE PROPOSED AMENDMENTS TO THE GENERAL WATER PROTECTION ORDINANCE, COMMENTED ON A FEDERAL COUNCIL DRAFT ORDINANCE ON THE QUALITY OF DISCHARGED SEWAGE, CONSIDERED WATER-RELEVANT SECTIONS OF A PROPOSED ORDINANCE ON FORBIDDEN POISONOUS SUBSTANCES, AND RECOMMENDED AN ORDINANCE TO CONTROL PHOSPHATES IN WASHING AGENTS. IT ALSO LOOKED AT THE FEASIBILITY OF PRIVATE GROUPS PERFORMING NECESSARY WATER-MONITORING TASKS FOR THE CANTONS.

EUR
SWITZERLAND
PM(B)

GEWAESSERSCHUTZ UND ABFALLBESEITIGUNG. STAND AM 1. JANUAR 1975 (WATER PROTECTION AND SOLID WASTE REMOVAL. AS OF JANUARY 1, 1975)
SWITZERLAND. FEDERAL OFFICE FOR ENVIRONMENTAL PROTECTION EPA
GERMAN 05/00/75 PGS 1-6 ID# 03291A
WATER SOLID WASTE

THIS REPORT SUMMARIZES THE PROGRESS OF SEWAGE PURIFICATION AND SOLID WASTE DISPOSAL IN SWITZERLAND AS OF JANUARY 1, 1975. ABOUT 1.3 MILLION SWISS FRANCS A YEAR ARE INVESTED IN SEWAGE PURIFICATION, AND ABOUT 50 PERCENT OF THE POPULATION IS SERVED BY EXISTING FACILITIES. MAJOR SOURCES OF POLLUTING SEWAGE DISCHARGE SHOULD BE CLEANED UP BY 1982. THREE APPENDED TABLES IN GERMAN AND FRENCH SHOW FOR SEWAGE PURIFICATION FACILITIES IN OPERATION, IN CONSTRUCTION, AND READY FOR CONSTRUCTION: 1) THE GENERAL STATUS OF SEWAGE PURIFICATION BY CANTON AS OF JANUARY 1, 2) THE PERCENTAGE OF THE TOTAL POPULATION BY CANTON THAT COULD BE SERVED BY LOCAL FACILITIES, AND 3) THE PERCENTAGE OF THE TOTAL NATIONAL POPULATION THAT COULD BE SERVED BY THE FACILITIES. THE FIRST TABLE ALSO INCLUDES AN INDICATION OF COSTS. FOR SOLID WASTE DISPOSAL A TABLE PORTRAYS THE STATUS OF WASTE DISPOSAL INSTALLATIONS IN OPERATION, IN CONSTRUCTION, AND READY FOR CONSTRUCTION BY CANTON WITH AN INDICATION OF COSTS.

SWITZERLAND
SE( )

NOTRE EAU EN DANGER (OUR WATER IN DANGER)
SWITZERLAND. FEDERAL DEPARTMENT OF THE INTERIOR EPA
FRENCH PGS 1-24 ID# 01031A
WATER

THIS PICTORIAL BROCHURE ILLUSTRATES THE EXTENT OF WATER POLLUTION IN SWITZERLAND. IT OUTLINES THE CAUSE OF CONTAMINATION, THE EFFECTS OF POLLUTION ON FISH LIFE IN THE LAKES AND RIVERS, AND THE ROLE THAT MAN AND INDUSTRY CAN PLAY IN CURBING WATER POLLUTION. IT ALSO DESCRIBES HOW WATER PURIFICATION PLANTS OPERATE. PHOTOGRAPHS, LINE DRAWINGS, AND MAPS COMPLEMENT THE TEXT.

SWITZERLAND
ST( )

ASPECTS DE NATURE TECHNIQUE QUE PRESENTENT, EN MATIERE DE PROTECTIION DES EAUX, LE PRELEVEMENT ET LA RESTITUTION D'EAU DE REFROIDISSEMENT POUR LES CENTRALES THERMIQUES CLASSIQUES
SWITZERLAND. FEDERAL DEPARTMENT OF THE INTERIOR EPA
FRENCH 10/00/71 PGS 1-146 ID# 01033A
ALSO PMB
WATER

THE 1971 REISSUE OF THIS REPORT, CALLED THE TECHNICAL ASPECTS IN THE MATTER OF WATER PROTECTION INVOLVED IN THE SEPARATION AND RESTITUTION OF COOLANT WATER FROM CONVENTIONAL AND NUCLEAR THERMAL PLANTS, EXAMINES THE CONSEQUENCES OF TEMPERATURE INCREASES IN SURFACE AND GROUND WATERS AS A RESULT OF THE RESTITUTION OF COOLANT WATERS REQUIRED BY THESE PLANTS. IT WAS PROMPTED BY A GOVERNMENT INQUIRY INTO FACTORS THAT WOULD TEND TO LIMIT THE NUMBER OF NUCLEAR PLANTS TO BE BUILT IN SWITZERLAND. THE REPORT DISCUSSES HYDROLOGICAL CONDITIONS, THE INFLUENCE OF THE ATMOSPHERE ON THE THERMAL REGIME OF WATER BODIES, AND THE EFFECTS OF THE ARTIFICIAL REHEATING OF SURFACE AND GROUND WATERS ON FISH LIFE. THE REPORT ALSO CONTAINS A GLOSSARY OF TECHNICAL TERMS AND A BIBLIOGRAPHY.

EUR
USSR
LR(A)

"MAY 29, 1949 DECREE ON MEASURES TO COMBAT AIR POLLUTION AND TO IMPROVE THE SANITARY CONDITIONS IN POPULATED AREAS." OKHRANA PRIRODY.
BLINOV, V. M., ED.
EPA
RUSSIAN 00/00/71 PGS 357-358 ID# 01488A
AIR

IN THIS DECREE OF THE USSR COUNCIL OF MINISTERS, INDUSTRIES WHICH EMIT ASH, CINDERS, SOOT OR DUST INTO THE ATMOSPHERE ARE PROHIBITED FROM OPERATING WITHOUT PROPER DUST AND PARTICLE FILTERING APPARATUS. METALLURGICAL AND CHEMICAL PLANTS WHICH DISCHARGE SULFUR COMPOUNDS, FLOURIDE COMPOUNDS, SULFUR GASSES, SILVER HYDROXIDE OR HYDROGEN ARSENIDE INTO THE ATMOSPHERE ARE ALSO PROHIBITED FROM OPERATING WITHOUT PROPER PURIFICATION FACILITIES. INDUSTRIES USING SOLVENTS MUST INSTALL APPARATUS FOR RECLAIMING AND RECYCLING THEM. NEW INDUSTRIES MAY NOT BEGIN OPERATIONS UNTIL NECESSARY POLLUTION CONTROL MEASURES HAVE BEEN TAKEN. THE USSR STATE SANITARY INSPECTORATE AND DIRECTORS OF ENTERPRISES MUST CERTIFY THE PROPER INSTALLATION AND OPERATION OF AIR POLLUTION CONTROL APPARATUS.

USSR
LR(A)

"AUG 13, 1969 STANDARDS ON MAXIMUM PERMISSIBLE CONCENTRATIONS OF HARMFUL SUBSTANCE IN THE AIR IN POPULATED AREAS." GIGIYENA I SANITARIYA, V. 35, N. 11.
EPA
RUSSIAN 11/00/70 PGS 120-122 ID# 01489A
AIR

IN THESE STANDARDS, THE USSR MINISTRY OF HEALTH LISTS MAXIMUM PERMISSIBLE CONCENTRATIONS IN THE AIR IN POPULATED AREAS FOR 105 HARMFUL SUBSTANCES. SUBSTANCES WITH A COMBINED TOXIC EFFECT MUST CONFORM TO MORE STRINGENT STANDARDS COMPENSATING FOR THE COMBINED EFFECT. FORMULAS FOR CALCULATING MAXIMUM PERMISSIBLE CONCENTRATIONS OF VARIOUS HARMFUL SUBSTANCES IN COMBINATION ARE GIVEN. THE SEP 12, 1967 STANDARDS ON MAXIMUM PERMISSIBLE CONCENTRATIONS ARE REVOKED.

USSR
LR(B)

"COMPARISON OF PERMISSIBLE LIMITS OF CHEMICAL SUBSTANCES IN THE AIR IN WORKING ZONES IN THE USSR AND THE UNITED STATES." GIGIENA TRUDA I PROFESSIONAL'NYE ZABOLEVANIYA
TIMOFIEVSKAYA, L. A.
EPA
RUSSIAN 01/00/75 PGS 24-28 ID# 02534A
AIR

THIS ARTICLE PROVIDES CHARTS OF COMPARATIVE PERMISSIBLE CONCENTRATION LIMITS OF VARIOUS TOXIC CHEMICAL COMPOUNDS AND SUBSTANCES IN THE AIR TO WHICH WORKERS ARE EXPOSED IN THE USSR AND THE UNITED STATES. PERMISSIBLE CONCENTRATION LIMITS HAVE BEEN ESTABLISHED FOR 679 SUBSTANCES IN THE USSR AND FOR ABOUT 550 SUBSTANCES IN THE UNITED STATES.

EUR
USSR
LR(B)

"HYGIENIC STANDARDIZATION OF CYCLOHEXANONOXIME IN THE ATMOSPHERE." GIGIENA I SANITARIYA
TSULAYA, V. R., E. A. PEREVERZEVA, AND S. S. ARSENIEVA EPA
RUSSIAN 02/00/75 PGS 23-25 ID# 02611A
AIR

THIS ARTICLE CONCERNS ESTABLISHMENT IN THE USSR OF PERMISSIBLE CONCENTRATION LIMITS IN THE AIR OF THE CHEMICAL SUBSTANCE CYCLOHEXANONOXIME, WHICH IS USED IN CERTAIN MANUFACTURING PROCESSES. BECAUSE OF THE EFFECT OF CYCLOHEXANONOXIME ON THE BIOELECTRIC ACTIVITY OF THE HUMAN CEREBRUM, ITS MAXIMUM CONCENTRATION IN THE AIR AT ANY ONE TIME IS NOT TO EXCEED 0.1 MG/CUBIC METER. IT HAS BEEN RECOMMENDED THAT THE DAILY AVERAGE MAXIMUM CONCENTRATION NOT EXCEED 0.03 MG/CUBIC METER.

USSR
LR(A)

"OCT 27, 1960 LAW ON NATURE CONSERVATION IN THE RSFSR." OKHRANA PRIRODY.
BLINOV, V. M., ED. EPA
RUSSIAN 00/00/71 PGS 10-19 ID# 01484A
GENERAL WATER AIR SOLID WASTE

IN THIS LAW THE RSFSR (RUSSIAN REPUBLIC) SUPREME SOVIET RECOGNIZES NATURE CONSERVATION AS AN IMPORTANT STATE RESPONSIBILITY AND ESTABLISHES GUIDELINES FOR PROTECTION OF VARIOUS ASPECTS OF NATURE. TWO PROVISIONS OF THIS LAW DEAL WITH PROTECTION OF SURFACE WATER, GROUND WATER, THE SOIL AND THE ATMOSPHERE FROM POLLUTION. ARTICLE 4 PROHIBITS THE OPERATION OF NEW OR ESTABLISHED INDUSTRIAL ENTERPRISES DISCHARGING WASTEWATER WITHOUT ADEQUATE PURIFICATION FACILITIES. ARTICLE 12, ON SANITARY PROTECTION OF NATURE, INSTRUCTS RESPONSIBLE DEPARTMENTS OF GOVERNMENT TO ESTABLISH PROCEDURES TO ENSURE MAXIMUM USE OF RECYCLING TECHNOLOGY TO PREVENT POLLUTION OF THE AIR, LAND OR WATER. DISCHARGES OF EFFLUENTS AND EMISSIONS MUST NOT EXCEED MAXIMUM PERMISSIBLE CONCENTRATIONS. ARTICLE 15 CONCERNS THE RESPONSIBILITY OF VARIOUS BRANCHES OF GOVERNMENT FOR ENFORCING THIS LAW. LIABILITY OF ADMINISTRATORS, INDUSTRIAL MANAGERS AND PRIVATE CITIZENS FOR VIOLATIONS OF THIS LAW ARE STIPULATED IN ARTICLES 20 AND 21.

USSR
LR(A)

"OCT 26, 1965 DECREE ON PROCEDURES FOR IMPLEMENTING THE OCT 27, 1960 LAW ON NATURE CONSERVATION IN THE RSFSR." OKHRANA PRIRODY.
BLINOV, V. M., ED. EPA
RUSSIAN 00/00/71 PGS 19-23 ID# 01484B
GENERAL WATER AIR

IN THIS DECREE, THE RSFSR (RUSSIAN REPUBLIC) SUPREME SOVIET NOTES THAT WATER POLLUTION CAUSED BY INDUSTRIAL AND DOMESTIC WASTEWATER POSES A SERIOUS THREAT TO FISH RESERVES AND THE HEALTH OF THE POPULATION IN THE RSFSR, AND THAT AIR POLLUTION IN SEVERAL CITIES EXCEEDS PERMITTED LEVELS, CAUSING CHRONIC DISEASE. RESPONSIBLE MINISTRIES AND DEPARTMENTS ARE INSTRUCTED TO EVALUATE THE STATE OF PURIFICATION INSTALLATIONS TO PREVENT AIR AND WATER POLLUTION IN THEIR RESPECTIVE JURISDICTIONS, AND TO ENSURE THAT INDUSTRIES OPERATE IN ACCORDANCE WITH THE "OCT 27, 1960 LAW ON NATURE CONSERVATION IN THE RSFSR." THE RSFSR STATE CONSTRUCTION OFFICE (GOSTROY), THE MINISTRY OF SOIL AND WATER CONSERVATION AND THE MINISTRY OF HEALTH ARE NOT TO APPROVE CONSTRUCTION PLANS OF NEW ENTERPRISES WITHOUT ADEQUATE PURIFICATION APPARATUS. THE RSFSR MINISTRY OF RIVER NAVIGATION IS TO INTRODUCE MEASURES TO PREVENT POLLUTION OF RIVER WATERS BY OIL OR DOMESTIC WASTEWATER DISCHARGED FROM BOATS.

EUR
USSR
LR(A)

"DEC 19, 1969 PRINCIPLES OF PUBLIC HEALTH LEGISLATION OF THE USSR AND UNION REPUBLICS." VEDOMOSTI VERKHOVNOGO SOVETA SSSR, V. 32, N. 52 (1502).

EPA
RUSSIAN 12/24/69 PGS 716-720 ID# 01485A
ALSO PP. 709-710
GENERAL WATER AIR SOLID WASTE NOISE RADIATION PESTICIDES

STATE RESPONSIBILITY TO CONTROL FACTORS HARMFUL TO PUBLIC HEALTH IS ESTABLISHED IN ARTICLE 1 OF THIS LAW, ISSUED BY THE USSR SUPREME SOVIET. UNDER ARTICLE 18, HEALTH HAZARDS CAUSED BY POLLUTION ARE TO BE REGULATED BY THE STATE SANITARY INSPECTORATE. ARTICLE 20 ESTABLISHES STATE RESPONSIBILITY TO PROVIDE BASIC URBAN SANITARY REQUIREMENTS SUCH AS SEWAGE PURIFICATION FACILITIES AND SANITARY PROTECTION ZONES IN TOWNS AND CITIES. AUTHORITY TO CONTROL POLLUTION OF THE AIR, LAND OR WATER BY SOLID OR LIQUID WASTES FROM INDUSTRIAL OR OTHER ENTERPRISES IS ESTABLISHED IN ARTICLE 21. CONSTRUCTION OF INDUSTRIAL ENTERPRISES WITHOUT ADEQUATE PURIFICATION FACILITIES IS FORBIDDEN. AUTHORITY TO HALT OPERATIONS AT POLLUTING ENTERPRISES AND PERSONAL LIABILITY FOR POLLUTION DAMAGE ARE ESTABLISHED. OTHER PROVISIONS CONCERN CONTROL OF NOISE (ARTICLE 24), PREVENTION OF POLLUTION OF DRINKING WATER SUPPLY (ARTICLE 25), AND PREVENTION OF CONTAMINATION BY RADIOACTIVE SUBSTANCES, POISONS, OR HIGHLY ACTIVE MATERIAL (ARTICLE 28).

USSR
LR(A)

"JUL 29, 1971 LAW OF THE RSFSR (RUSSIAN REPUBLIC) ON PUBLIC HEALTH." SOVETSKAYA YUSTITSIYA, N. 17, 1971.

EPA
RUSSIAN 09/00/71 PGS 3, 6-8 ID# 01485B
GENERAL WATER AIR SOLID WASTE NOISE RADIATION PESTICIDES

THIS LAW, ISSUED BY THE RSFSR SUPREME SOVIET, IS DERIVED FROM THE "DEC 19, 1969 PRINCIPLES OF PUBLIC HEALTH LEGISLATION OF THE USSR AND UNION REPUBLICS," ISSUED BY THE USSR SUPREME SOVIET. REGULATIONS ON POLLUTION IN THE RSFSR LAW CORRESPOND TO PROVISIONS OF THE USSR MODEL LEGISLATION. ARTICLE 1 ESTABLISHES GENERAL RESPONSIBILITY OF THE GOVERNMENT TO CONTROL FACTORS HARMFUL TO THE PUBLIC HEALTH. OTHER PROVISIONS CONCERN THE RESPONSIBILITY OF THE STATE SANITARY INSPECTORATE TO CONTROL HAZARDS CAUSED BY POLLUTION (ARTICLE 22), REGULATION OF URBAN SANITARY AND SEWAGE PURIFICATION FACILITIES (ARTICLE 24), CONTROL OF INDUSTRIAL POLLUTION (ARTICLES 25 AND 26), CONTROL OF NOISE (ARTICLE 31), PREVENTION OF POLLUTION OF DRINKING WATER RESOURCES (ARTICLE 32), AND PREVENTION OF CONTAMINATION BY RADIOACTIVE SUBSTANCES, POISONS OR HIGHLY ACTIVE MATERIALS (ARTICLE 37).

EUR
USSR
LR(A)

"SEP 20, 1972 DECREE ON MEASURES TO FURTHER IMPROVE NATURE CONSERVATION AND PROMOTE RATIONAL USE OF NATURAL RESOURCES." VEDOMOSTI VERKHOVNOGO SOVETA SSSR, V. 35, N. 39.

EPA

RUSSIAN 12/27/72 PGS 559-563 ID# 01486A
GENERAL WATER AIR

IN THIS DECREE, THE USSR SUPREME SOVIET EMPHASIZES THE IMPORTANCE OF NEUTRALIZING HARMFUL EFFECTS OF INDUSTRIAL DEVELOPMENT AND ECONOMIC ACTIVITY ON THE ENVIRONMENT AND IS CRITICAL OF FAILURES IN IMPLEMENTING REQUIRED ENVIRONMENTAL PROTECTION MEASURES. THE USSR COUNCIL OF MINISTERS IS INSTRUCTED TO INCLUDE ENVIRONMENTAL PLANNING AS AN INTEGRAL PART OF NATIONAL ECONOMIC PLANNING. IT SHOULD REVISE ENVIRONMENTAL POLICY TO PROVIDE FOR INCREASED LIABILITY OF MINISTRIES, DEPARTMENTS, INDUSTRIES AND PRIVATE CITIZENS FOR FAILURE TO OBSERVE ENVIRONMENTAL LAWS; DEVELOPMENT AND INSTALLATION OF NEW TYPES OF WATER AND AIR PURIFICATION APPARATUS, INTRODUCTION OF WATER RECYCLING SYSTEMS AND MEASURES TO ECONOMIZE WATER USE; REVISION OF CITY PLANNING STANDARDS TO ENSURE A HEALTHIER ENVIRONMENT IN INDUSTRIAL CENTERS; EXPANSION OF ENVIRONMENTAL RESEARCH, AND ACTIVE PARTICIPATION OF USSR IN INTERNATIONAL COOPERATION ON THE ENVIRONMENT. REPUBLIC COUNCILS OF MINISTERS AND LOCAL GOVERNMENTS ARE TO ENFORCE LAWS.

USSR
LR(A)

"(DEC 29, 1972) RESOLUTION TO IMPROVE NATURE CONSERVATION AND PROMOTE RATIONAL USE OF RESOURCES." IZVESTIYA.

EPA

RUSSIAN 01/10/73 PGS 1 ID# 01486B
GENERAL WATER AIR SOLID WASTE PESTICIDES

THIS RESOLUTION WAS ISSUED JOINTLY BY THE COMMUNIST PARTY CENTRAL COMMITTEE AND USSR COUNCIL OF MINISTERS IN RESPONSE TO THE SEP 20, 1972 DECREE OF THE USSR SUPREME SOVIET ON NATURE CONSERVATION AND RATIONAL USE OF RESOURCES. IT IS OBSERVED THAT MANY MINISTRIES, AGENCIES AND ENTERPRISES HAVE BEEN NEGLIGENT IN CONFRONTING ENVIRONMENTAL PROTECTION PROBLEMS. SPECIFIC RESPONSIBILITIES OF VARIOUS USSR MINISTRIES CONCERNING POLLUTION CONTROL AND ENVIRONMENTAL PROTECTION ARE DEFINED. REPUBLIC MINISTRIES ARE INSTRUCTED TO INTENSIFY EFFORTS TO PRESERVE THE ENVIRONMENT. THE USSR HYDROMETEOROLOGICAL SERVICE IS TO ORGANIZE A NATIONWIDE SERVICE TO MONITOR AND CONTROL LEVELS OF SOIL, AIR AND WATER POLLUTION. A SCIENTIFIC AND TECHNICAL COUNCIL ON COMPLEX PROBLEMS OF ENVIRONMENTAL PROTECTION AND RATIONAL USE OF NATURAL RESOURCES IS TO BE ESTABLISHED. OFFICIAL TEXT OF THE RESOLUTION APPEARS IN SOBRANIYE POSTANOVLENIY PRAVITEL'STVA SSSR, N. 2, 1973, P. 6.

EUR
USSR
LR(A)

"OCT 27, 1960 CRIMINAL CODE OF THE RSFSR, ARTICLE 233 (AMENDED BY MAY 21, 1970 DECREE OF RSFSR SUPREME SOVIET)." OKHRANA PRIRODY.
BLINOV, V. M., ED.
RUSSIAN
GENERAL WATER AIR
00/00/71 PGS 298-299 EPA ID# 01487A

THIS ARTICLE OF THE RSFSR CRIMINAL CODE ESTABLISHES A PENALTY NOT TO EXCEED A FINE OF 300 RUBLES AND ONE YEAR IN JAIL FOR ANYONE RESPONSIBLE FOR POLLUTING RIVERS, LAKES OR OTHER WATERS WITH UNTREATED LIQUID WASTES, GARBAGE OR REFUSE WHICH HAS CAUSED OR MAY CAUSE HARM TO HUMAN HEALTH, AGRICULTURAL PRODUCTION OR FISH STOCKS. TO CAUSE AIR POLLUTION HAVING A HARMFUL EFFECT ON HUMAN HEALTH IS PUNISHABLE BY THE SAME PENALTY. PERSONS RESPONSIBLE FOR SUCH ACTIONS RESULTING IN MATERIAL HARM TO HUMAN HEALTH OR AGRICULTURAL PRODUCTION, OR CAUSING A MASS FISH KILL SHALL BE IMPRISONED FOR A TERM NOT TO EXCEED FIVE YEARS.

USSR
LR(B)

"CRIMINAL LAW IN THE FIGHT AGAINST NEGATIVE EFFECTS OF SCIENTIFIC AND TECHNICAL PROGRESS." SOVETSKOYE GOSUDARSTVO I PRAVO
PIONTKOVSKIY, A.A.
RUSSIAN
GENERAL
04/00/72 PGS 30-38 EPA ID# 01581A

THIS ARTICLE IS CONCERNED WITH THEORETICAL PROBLEMS OF LEGAL RESPONSIBILITY OF INDIVIDUALS FOR DEGRADATION OF THE ENVIRONMENT DUE TO TECHNOLOGICAL PROGRESS. THE AUTHOR NOTES THAT INCREASING PRESSURES ON THE ENVIRONMENT FROM TECHNOLOGY HAS MADE NECESSARY THE ESTABLISHMENT OF STANDARDS ON THE USE OF TECHNOLOGY AND THAT THE NUMBER OF CRIMINAL CASES ARISING FROM FAILURE TO OBSERVE THESE STANDARDS HAS INCREASED IN RECENT YEARS. HE DISCUSSES PROBLEMS IN DETERMINING RESPONSIBILITY OF INDIVIDUALS, EITHER THROUGH ACTIONS OR INACTION, FOR MIUSE OF TECHNOLOGY. THE PROBLEM OF SETTING STANDARDS TO PREVENT UNNECESSARY RISKS TO THE ENVIRONMENT AND SOCIETY FROM RESEARCH AND DEVELOPMENT OF NEW TECHNOLOGY WITHOUT UNDULY HAMPERING TECHNOLOGICAL AND SCIENTIFIC GROWTH IS ALSO DISCUSSED.

USSR
LR(B)

"INTERRELATIONSHIPS IN ENVIRONMENTAL PROTECTION AS AN EXAMPLE OF LEGAL REGULATION." SOVETSKOYE GOSUDARSTVO I PRAVO, NO. 9
MAKAREVICH, N.S.
RUSSIAN
GENERAL
09/00/72 PGS 95-97 EPA ID# 01582A

THE AUTHOR CONSIDERS PRESERVATION OF THE ENVIRONMENT TO BE ONE OF THE URGENT PROBLEMS FACING CONTEMPORARY MAN AND ASCRIBES AN IMPORTANT ROLE TO LEGAL REGULATION IN SOLVING THE PROBLEM. HE POINTS OUT THAT PRESENT SOVIET ENVIRONMENTAL LEGISLATION DOES NOT TREAT ENVIRONMENTAL PROTECTION IN TERMS OF MAINTAINING A COMPLEX NATURAL EQUILIBRIUM. INSTEAD, CERTAIN NATURAL RESOURCES REQUIRING PROTECTION ARE ENUMERATED. SPECIFIC STANDARDS PROTECTING THE NATURAL BALANCE ARE LACKING. IF THE LAW IS TO BECOME A POWERFUL FORCE IN RESOLVING THE PROBLEM OF ENVIRONMENTAL PRESERVATION, HE SAYS, IT IS NECESSARY THAT LEGISLATION TAKE INTO CONSIDERATION ECOLOGICAL AND SOCIAL INTERRELATIONSHIPS, AND THAT NEW LEGAL STANDARDS BE ESTABLISHED AS PART OF AN EFFECTIVE SYSTEM OF LAWS.

EUR
USSR
LR(B)

"THE PROTECTION OF NATURE--EVERYONE'S AFFAIR." KOMMUNIST VOORUZHENNYKH SIL. NO. 13
LUK'YANENKO, I. EPA
RUSSIAN 00/00/74 PGS 59-63 ID# 02363A
ALSO PMA AND SE
GENERAL WATER AIR

THIS ARTICLE PRESENTS A GENERAL PICTURE OF ENVIRONMENTAL PROTECTION MEASURES IN THE USSR. WITH REGARD TO WATER POLLUTION, THE ARTICLE STATES THAT BY 1980, THE DISCHARGE OF UNPURIFIED DOMESTIC AND INDUSTRIAL WASTEWATER WILL BE COMPLETELY PROHIBITED IN CITIES LOCATED IN THE VOLGA AND URAL RIVER BASINS. IT IS AT PRESENT FORBIDDEN IN THE USSR TO PUT INTO OPERATION NEW INDUSTRIES UNLESS THEY ARE SUPPLIED WITH WASTE PURIFICATION FACILITIES. EFFLUENT AND EMISSION STANDARDS FOR HUNDREDS OF POLLUTING SUBSTANCES AND COMBINATIONS OF SUBSTANCES HAVE BEEN ESTABLISHED. THE ARTICLE ALSO DISCUSSES AUTOMOBILE EMISSION REDUCTION MEASURES TAKEN IN ACCORDANCE WITH DIRECTIVES OF THE 24TH PARTY CONGRESS OF THE USSR. FURTHERMORE, IT IS NOTED THAT THE USSR SPENT MORE THAN 11 BILLION RUBLES FOR ENVIRONMENTAL PROTECTION IN 1970, AND MANY INDUSTRIES ARE PRESENTLY INVESTING ONE-THIRD OF THEIR PRODUCTION COSTS IN POLLUTION CONTROL.

USSR
LR(B)

"PROBLEMS OF PROTECTION AND SANITATION OF THE ENVIRONMENT AT DIFFERENT STAGES OF THE BUILDING OF SOCIALISM." SOVIETSKOE ZDRAVOOKHRANENIE, NO. 6
KIRILENKO, T. G. EPA
RUSSIAN 00/00/74 PGS 74-78 ID# 02529A
ALSO PMA
GENERAL WATER

THIS ARTICLE OUTLINES THE HISTORY OF ENVIRONMENTAL PROTECTION LEGISLATION IN THE USSR AND ALSO TAKES NOTE OF SOME OF THE EARLIER GOVERNMENTAL ORGANS RESPONSIBLE FOR ENVIRONMENTAL PROTECTION. IN 1918, THE PEOPLE'S COMMISSARIAT OF HEALTH PROTECTION WAS SET UP, WHICH INCLUDED COMMITTEES FOR THE PROTECTION OF WATER, AIR AND SOIL FROM POLLUTION. IN 1920 THE STATE SCIENTIFIC INSTITUTE OF NATIONAL HEALTH WAS ESTABLISHED; THIS WAS THE FIRST RESEARCH INSTITUTION IN THE USSR TO STUDY THE EFFECTS OF THE ENVIRONMENT ON HUMAN HEALTH. ONE OF THE EARLIEST LEGISLATIVE MEASURES REGARDING POLLUTION CONTROL WAS THE 1919 DECREE ON PROTECTION OF WELL WATER FROM POLLUTION. MORE RECENT LEGISLATION DISCUSSED IN THE ARTICLE INCLUDES THE 1969 LAW ON BASIC HEALTH PROTECTION MEASURES, WHICH INCLUDES A SECTION ON WATER POLLUTION CONTROL; THE 1972 RESOLUTION "ON MEASURES FOR PREVENTION OF POLLUTION OF THE VOLGA AND URAL RIVER BASINS BY UNPURIFIED SEWAGE"; AND THE 1972 RESOLUTION "ON STRENGTHENING THE PROTECTION OF NATURE AND IMPROVING USAGE OF NATURAL RESOURCES."

EUR
USSR
LR(B)

"ENVIRONMENTAL POLLUTION AND PROBLEMS OF HYGIENE." PRIRODA, NO. 5
KROTKOV., F. G. EPA
RUSSIAN 00/00/75 PGS 63-69 ID# 02824A
ALSO PMB
GENERAL WATER

THIS ARTICLE, DEALING WITH SEVERAL ASPECTS OF WORLDWIDE ENVIRONMENTAL DETERIORATION, HIGHLIGHTS POLLUTION CONTROL MEASURES IN THE USSR. ACCORDING TO SOVIET LAWS ON THE PROTECTION OF NATURE, LAND AND WATER LEGISLATION AND HEALTH PROTECTION LEGISLATION, ENTERPRISES UTILIZING NATURAL RESOURCES ARE OBLIGATED TO DERIVE MAXIMUM USAGE FROM RAW MATERIALS AND FUEL AND TO INSTALL PURIFICATION FACILITIES FOR NON-USABLE WASTES. POLLUTERS ARE PENALIZED BY FINES AND/OR IMPRISONMENT; FOR EXAMPLE, THE DISCHARGE INTO WATER BODIES OF SUBSTANCES HARMFUL TO LIVING RESOURCES IS PUNISHABLE BY A FINE OF UP TO 20,000 RUBLES AND A PRISON TERM OF UP TO FIVE YEARS, AS SET FORTH IN THE "DECREE ON STRENGTHENING RESPONSIBILITY FOR POLLUTION OF THE SEA BY SUBSTANCES HARMFUL TO HUMAN HEALTH OR TO LIVING RESOURCES OF THE SEA." IT IS ALSO NOTED THAT PERMISSIBLE CONCENTRATION LIMITS HAVE BEEN ESTABLISHED FOR 420 SUBSTANCES DISCHARGED BY INDUSTRY INTO WATER BODIES.

USSR
LR(A)

"JAN 9, 1960 DECREE ON COMMISSION FOR CONTROL OF NOISE AND HARMFUL EFFECTS OF VIBRATIONS." GIGIYENA I SANITARIYA, V. 25, N. 4. EPA
RUSSIAN 04/00/60 PGS 124-125 ID# 01493A
NOISE

THIS DECREE OF THE USSR MINISTRY OF HEALTH ESTABLISHES THE COMMISSION FOR CONTROL OF NOISE AND HARMFUL EFFECTS OF VIBRATIONS AS A PERMANENT UNIT UNDER THE USSR STATE SANITARY INSPECTORATE. THE COMMISSION IS TO BE COMPOSED OF REPRESENTATIVES FROM THE MINISTRY OF HEALTH AND OTHER DEPARTMENTS. THE PURPOSE OF THE COMMISSION IS TO COORDINATE RESEARCH ON MEASURES FOR CONTROLLING NOISE AND VIBRATIONS. IT IS RESPONSIBLE FOR DIRECTING TRENDS OF RESEARCH CONDUCTED AT VARIOUS INSTITUTIONS, FOR DEVELOPING PRACTICAL PROPOSALS ON METHODS OF COMBATTING NOISE AND VIBRATIONS, AND FOR APPROVING PROJECTS DESIGNED TO CONTROL NOISE AND VIBRATIONS. THE COMMISSION HAS AUTHORITY TO INSURE STANDARDS ON MAXIMUM PERMISSIBLE NOISE AND VIBRATION LEVELS. ORGANIZATIONAL AND ADMINISTRATIVE STRUCTURE OF COMMISSION IS DEFINED. EARLIER DECREES ESTABLISHING A COMMISSION ON NOISE WITH LIMITED AUTHORITY AND RESPONSIBILITY ARE REPEALED.

EUR
USSR
LR(A)

"JUN 26, 1965 STANDARDS ON PERMISSIBLE NOISE LEVELS IN DWELLINGS AND RESIDENTIAL DISTRICTS." GIGIYENA I SANITARIYA, V. 31, N. 4.

EPA
RUSSIAN 04/00/66 PGS 118-123 ID# 014938
NOISE

IN THESE STANDARDS, THE USSR MINISTRY OF HEALTH ESTABLISHES MAXIMUM PERMISSIBLE NOISE LEVELS FOR DWELLINGS, AREAS ADJACENT TO DWELLINGS AND RECREATION AREAS WITHIN RESIDENTIAL DISTRICTS. PRECISE TECHNICAL GUIDELINES ARE GIVEN ON PROCEDURES FOR MEASURING NOISE LEVELS AND EVALUATING SUCH MEASUREMENTS IN TERMS OF MAXIMUM PERMISSIBLE NOISE LEVELS. MEASURES FOR PREVENTING EXCESSIVE NOISE WITHIN DWELLINGS AND IN RESIDENTIAL AREAS ARE OUTLINED. THE OBLIGATION OF CITIZENS NOT TO CREATE NOISY DISTURBANCES IS REITERATED. NOISE STANDARDS OF AUG 25, 1960 ARE REPEALED.

USSR
LR(A)

"NOV 22, 1973 DECREE ON MEASURES TO REDUCE NOISE AT INDUSTRIAL ENTERPRISES AND IN THE EVERYDAY ENVIRONMENT. IZVESTIYA, NOV 22, 1973, P. 3.

EPA
RUSSIAN 11/22/73 PGS 3 ID# 01643A
NOISE

UNDER THIS DECREE, THE USSR MINISTRY OF HEALTH IS TO ENSURE THAT NOISE CONTROL MEASURES ARE INTRODUCED AND ENFORCED AT INDUSTRIAL ENTERPRISES, IN CITIES AND POPULATED AREAS, AND BY OTHER MINISTRIES, DEPARTMENTS AND AGENCIES RESPONSIBLE FOR VARIOUS BRANCHES OF THE NATIONAL ECONOMY. THE RAILROAD, RIVER TRANSPORT, MERCHANT MARINE, AND CIVIL AVIATION MINISTRIES ARE TO REVISE NOISE STANDARDS AND IMPLEMENT NOISE-CONTROL MEASURES, WITH PARTICULAR EMPHASIS ON REDUCING NOISE LEVELS IN POPULATED AREAS AT NIGHT. MOTOR VEHICLE NOISE STANDARDS ARE TO BE STRICTLY ENFORCED UNDER SUPERVISION OF THE USSR MINISTRY OF INTERNAL AFFAIRS. THE STATE COMMITTEE ON STANDARDS IS TO MONITOR THE INTRODUCTION OF NOISE-CONTROL TECHNOLOGY AND THE ENFORCEMENT OF NOISE STANDARDS AT INDUSTRIES ENGAGED IN PRODUCTION-LINE WORK. PRODUCTION OF SOUNDPROOFING MATERIALS AND EARPLUGS IS TO BE INCREASED. ALL MINISTRIES AND DEPARTMENTS MUST DEVELOP AND IMPLEMENT MEASURES TO FURTHER REDUCE NOISE CAUSED BY TECHNOLOGY BY 1975.

USSR
LR(B)

"URGENT MEASURES FOR REDUCING NOISE IN CITIES." GIGIYENA I SANITARIYA, NO. 7
ZAICHENKO, A.I., AND OTHERS
EPA
RUSSIAN 00/00/74 PGS 3-6 ID# 02371A
ALSO PMA
NOISE

THIS ARTICLE DEALS WITH THE INSUFFICIENCIES OF NOISE CONTROL IN THE USSR AND THE 1973 RESOLUTION "ON NOISE REDUCTION MEASURES IN INDUSTRIES, CITIES AND OTHER RESIDENTIAL AREAS." THIS RESOLUTION REQUIRES THE MINISTRIES AND DEPARTMENTS OF THE SOVIET GOVERNMENT, AS WELL AS THE COUNCILS OF MINISTERS OF THE FEDERATED REPUBLICS, TO ESTABLISH TECHNICAL METHODS OF NOISE REDUCTION IN ACCORDANCE WITH STANDARDS BY 1975. ALSO STIPULATED BY THE RESOLUTION IS THE COMPILATION OF A LIST OF PERMISSIBLE NOISE LEVELS OF NOISE-PRODUCING ARTICLES BY THE MINISTRY OF HEALTH AND THE ALL-UNION CENTRAL TRADE-UNION COUNCIL. FURTHERMORE, STANDARDS FOR NOISE LEVELS OF AIRCRAFT IN RESIDENTIAL AREAS ARE TO BE SET BY THE MINISTRY OF CIVIL AVIATION AND THE MINISTRY OF HEALTH. THE SURVEILLANCE OF NOISE LEVELS OF MOTOR VEHICLES IS THE RESPONSIBILITY OF THE INTERIOR MINISTRY. FINALLY, INTERDEPARTMENTAL COMMITTEES FOR NOISE CONTROL, ESTABLISHED IN MOST OF THE FEDERATED REPUBLICS, ARE TO PREPARE AND ENFORCE CORRESPONDING RESOLUTIONS ON NOISE CONTROL.

EUR
USSR
LR(A)

"JUL 15, 1961 REGULATIONS ON PROTECTION OF SURFACE WATERS FROM POLLUTION BY WASTE-WATER." OKHRANA PRIRODY.
BLINOV, V. M., ED.
RUSSIAN
RADIATION
EPA
00/00/71 PGS 302-310 ID# 01479A

THESE REGULATIONS WERE ISSUED BY THE USSR MINISTRY OF HEALTH TO PREVENT POLLUTION OF SURFACE WATER USED FOR DOMESTIC WATER SUPPLY, RECREATION OR COMMERCIAL FISHING. IN SECTION I, GENERAL ANTIPOLLUTION PROVISIONS ARE ESTABLISHED. "POLLUTED" WATER IS DEFINED AS THAT WHICH HAS BECOME UNFIT FOR ONE OR SEVERAL TYPES OF WATER USE DUE TO ACTIVITIES OF INDUSTRY OR THE POPULATION. IT IS PROHIBITED TO ALLOW SEEPAGE OF POLLUTANTS INTO WATERS FROM PIPELINES OR SHIPS, TO DISCHARGE NONDEGRADABLE OR RADIOACTIVE SUBSTANCES INTO LAKES, PONDS OR RESERVOIRS, AND TO DISCHARGE ANY LIQUID WASTES WHICH CAN BE PURIFIED BY EFFECTIVE TREATMENT FACILITIES. PERMITS TO DISCHARGE WASTEWATER ARE TO BE EVALUATED IN TERMS OF COMPLEX REGIONAL WATER USE AND RENEWED EVERY THREE YEARS. REMAINING SECTIONS INCLUDE DETAILED PROVISIONS ON PURITY STANDARDS FOR WATER USED IN DOMESTIC SUPPLY OR COMMERCIAL FISHING, CONTROL OF RADIOACTIVE CONTAMINATION OF WATER, CONDITIONS FOR DISCHARGING WASTEWATER, AND RESPONSIBILITY UNDER THESE REGULATIONS.

USSR
LR(A)

"JUN 25, 1960 REGULATIONS ON WORK WITH RADIOACTIVE SUBSTANCES ARE SOURCES OF IONIZING RADIATION." INT. DIG. HLTH. LEG., V. 13.
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH
RADIATION WATER AIR
EPA
00/00/62 PGS 559-593 ID# 01490A

THESE REGULATIONS, ISSUED BY THE USSR MINISTRY OF HEALTH, ESTABLISH RESPONSIBILITY OF HEALTH AUTHORITIES TO ENSURE THAT CONDITIONS AT ENTERPRISES USING RADIOACTIVE SUBSTANCES PRESENT NO HAZARD TO WORKERS, THE GENERAL POPULATION OR THE ENVIRONMENT. SUCH ENTERPRISES MUST BE INSPECTED PERIODICALLY BY HEALTH AUTHORITIES AND ISSUED LICENSES TO OPERATE, SUBJECT TO RENEWAL EVERY THREE YEARS. PLANS FOR DESIGN OF NEW ENTERPRISES OR RENOVATION OF OLD ONES MUST BE APPROVED. TECHNICAL REQUIREMENTS ARE ESTABLISHED ON SELECTION OF SITES, SANITARY PROTECTION ZONES, STRUCTURAL STANDARDS AND DRAINAGE FACILITIES AT ENTERPRISES USING RADIOACTIVE SUBSTANCES, ON TRANSPORTATION AND STORAGE OR RADIOACTIVE SUBSTANCES, AND ON PROCEDURES FOR WORKING WITH VARIOUS TYPES OF RADIOACTIVE SUBSTANCES AND PREVENTING ACCIDENTAL CONTAMINATION. SECTION 10 HAS BEEN MODIFIED BY THE JUN 12, 1964 REGULATIONS ON COLLECTION, REMOVAL AND BURIAL OF RADIOACTIVE WASTES. ANNEX 2, ON MAXIMUM LEVELS OF IONIZING RADIATIONS, WAS REPLACED ON AUG 25,1969.

EUR
USSR
LR(A)

"MAY 31, 1963 REGULATIONS ON WORK WITH NATURAL RADIOACTIVE SUBSTANCES IN THE RARE METAL INDUSTRY." INT. DIG. HLTH. LEG., V. 20.
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/69 PGS 495-496 EPA ID# 01490B
RADIATION

THESE REGULATIONS, ISSUED BY THE USSR MINISTRY OF HEALTH, APPLY TO INDUSTRIAL ENTERPRISES AND RESEARCH INSTITUTES INVOLVED IN EXTRACTION OR PROCESSING OF MINERALS CONTAINING THORIUM AND URANIUM. WORK WITH ORES, CONCENTRATES AND SEMIFINISHED PRODUCTS CONTAINING THORIUM OR URANIUM IS TO BE REGULATED AS WORK WITH UNSEALED RADIOACTIVE SOURCES UNDER THE JUN 25, 1960 REGULATIONS ON WORK WITH RADIOACTIVE SUBSTANCES. ADDITIONAL REQUIRMENTS ARE STIPULATED ON WORKING CONDITIONS AND MAXIMUM PERMISSIBLE CONCENTRATIONS OF RADIOACTIVITY IN THE AIR AT ENTERPRISES. REGULATIONS ARE INCLUDED ON PROCEDURES FOR TRANSPORT AND STORAGE OF RADIOACTIVE ORES, WATER SUPPLY AND DRAINAGE AT ENTERPRISES, AND COLLECTION AND DISPOSAL OF RADIOACTIVE WASTES WITHOUT ENDANGERING THE ENVIRONMENT OR PUBLIC HEALTH.

USSR
LR(A)

"JUN 12, 1964 REGULATIONS ON COLLECTION, REMOVAL AND BURIAL OF RADIOACTIVE WASTES.
INT. DIG. HLTH. LEG., V. 20.
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/69 PGS 496 EPA ID# 01490C
RADIATION

THESE REGULATIONS, ISSUED BY THE USSR MINISTRY OF HEALTH, AMEND SECTION 10 OF THE JUN 25, 1960 REGULATIONS ON WORK WITH RADIOACTIVE SUBSTANCES, INCREASING CONTROL OVER PROCEDURES FOR COLLECTION, REMOVAL AND BURIAL OF SOLID AND LIQUID RADIOACTIVE WASTES. A BOARD INCLUDING REPRESENTATIVES OF THE HEALTH AUTHORITY IS ESTALISHED TO REMOVE PROCEDURES FOR PREVENTING HAZARDS TO PUBLIC HEALTH OR THE ENVIRONMENT AT BURIAL SITES FOR RADIOACTIVE WASTES AND TO ISSUE PERMITS TO OPERATE. THESE REGULATIONS ALSO MODIFY TECHNICAL REQUIREMENTS ON LOCATION AND OPERATION OF CENTERS FOR BURIAL OF RADIOACTIVE WASTES, COLLECTION, TEMPORARY STORAGE, REMOVAL AND TRANSPORT OF RADIOACTIVE WASTES, PROCEDURES FOR BURIAL OF RADIOACTIVE WASTES, METHODS FOR CONTROLLING ACCIDENTAL CONTAMINATION, AND SAFETY PRECAUTIONS FOR WORKERS INVOLVED IN DISPOSAL OF RADIOACTIVE WASTES.

EUR
USSR
LR(A)

"AUG 25, 1969 RADIATION SAFETY STANDARDS." INT. DIG. HLTH. LEG., V. 22.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/71 PGS 190-200 ID# 01490D
RADIATION

THESE STANDARDS, ISSUED BY THE USSR MINISTRY OF HEALTH, REPLACE STANDARDS ON MAXIMUM SAFE DOSES OF IONIZING RADIATION STIPULATED IN ANNEX 2 OF JUN 25, 1960 REGULATIONS ON WORK WITH RADIOACTIVE SUBSTANCES. MAXIMUM RADIATION DOSE LEVELS ARE ESTABLISHED FOR WORKERS HANDLING RADIOACTIVE SUBSTANCES, FOR INDIVIDUALS NOT INVOLVED IN HANDLING RADIOACTIVE MATERIAL, AND FOR THE POPULATION AS A WHOLE. EXPOSURE CAUSED BY NATURAL BACKGROUND RADIATION OR RECEIVED DURING MEDICAL TREATMENT IS NOT INCLUDED IN DOSE LEVELS FIXED BY THESE STANDARDS. HOWEVER, IT IS NOTED THAT X-RAY EXPOSURE REPRESENTS A SIGNIFICANT PORTION OF THE GENETIC DOSE RECEIVED BY THE WHOLE POPULATION AND SHOULD BE RESTRICTED. PROCEDURES ARE ESTABLISHED TO DETERMINE DOSES RECEIVED BY INDIVIDUALS OR THE GENERAL POPULATION IN CASES OF EXPOSURE TO RADIATION. IN EVENT OF EXCESSIVE EXPOSURE OF SEGMENTS OF THE POPULATION, HEALTH AUTHORITIES MUST IMPLEMENT NECESSARY PREVENTIVE MEASURES TO PROTECT THE PUBLIC HEALTH.

USSR
LR(A)

"MAR 18, 1961 REGULATIONS ON URBAN SANITATION." GIGIYENA I SANITARIYA, V. 27.
EPA
RUSSIAN 04/00/62 PGS 115-119 ID# 01491A
SOLID WASTE WATER RADIATION

IN THESE REGULATIONS, THE USSR MINISTRY OF HEALTH ESTABLISHES GUIDELINES FOR URBAN SANITATION SERVICES IN THE SOVIET UNION. THE URBAN SANITATION SERVICES ARE RESPONSIBLE FOR COLLECTION, REMOVAL AND SANITARY DISPOSAL OF HOUSEHOLD REFUSE AND BOILER ASHES FROM RESIDENTIAL AND COMMUNITY BUILDINGS, REFUSE AND SOLID WASTES FROM INDUSTRIAL, COMMERCIAL AND OTHER ENTERPRISES, WASTEWATER FROM BUILDINGS NOT CONNECTED WITH SEWAGE SYSTEM, AND OTHER TYPES OF REFUSE COLLECTED AROUND THE CITY. ORGANIZATIONAL AND ADMINISTRATIVE GUIDELINES FOR URBAN SANITARY SERVICES ARE DEFINED. DETAILED TECHNICAL REQUIREMENTS ARE STIPULATED ON PROCEDURES FOR COLLECTION, REMOVAL AND SANITARY DISPOSAL OF VARIOUS TYPES OF LIQUID AND SOLID WASTES WITHOUT ENDANGERING THE SANITARY QUALITY OF THE ENVIRONMENT OR THE PUBLIC HEALTH. REGULATIONS 39 AND 40 DEAL WITH PREVENTING POLLUTION OF SUBTERRANEAN WATER RESOURCES AND RADIOACTIVE CONTAMINATION OF THE ENVIRONMENT.

EUR
USSR
LR(A)

"DEC 13, 1968 PRINCIPLES OF LAND LEGISLATION OF THE USSR AND UNION REPUBLICS."
OKHRANA PRIRODY.
BLINOV, V. M., ED.
RUSSIAN 00/00/71 PGS 34-52 EPA ID# 01492A
SOLID WASTE WATER

THE PRINCIPLE OF STATE OWNERSHIP OF THE LAND, WHICH PROVIDES THE BASIS FOR REGULATING LAND USE AND CONTROLLING POLLUTION OF THE LAND, IS ESTABLISHED IN ARTICLE 3. ARTICLE 13 REQUIRES LAND USERS IN GENERAL AND INDUSTRIES IN PARTICULAR TO FOLLOW PROCEDURES TO IMPROVE THE LAND WHILE THEY ARE USING IT AND TO EMPLOY EFFECTIVE MEASURES TO PREVENT POLLUTION OF THE LAND BY SOLID WASTES OR WASTEWATER. OTHER PROVISIONS CONCERN PRINCIPLES OF LAND USE, RIGHTS AND OBLIGATIONS OF LAND USERS, PROCEDURES FOR REVOKING THE RIGHT OF LAND USE, AND SPECIFIC PROVISIONS FOR REGULATING LAND USE BY AGRICULTURAL, FORESTRY, MINING AND INDUSTRIAL ENTERPRISES, AND REGULATING LAND USE IN POPULATED AREAS.

USSR
LR(A)

"MAY 14, 1970 DECREE ESTABLISHING REGULATIONS ON STATE CONTROL OF LAND USE."
OKHRANA PRIRODY.
BLINOV, V. M., ED.
RUSSIAN 00/00/71 PGS 72-78 EPA ID# 01492B
SOLID WASTE WATER

THIS DECREE OF THE USSR COUNCIL OF MINISTERS ESTABLISHES THE AUTHORITY OF CERTAIN ALL-UNION REPUBLIC, REGIONAL AND MUNICIPAL DEPARTMENTS OF GOVERNMENT TO REGULATE VARIOUS ASPECTS OF LAND USE UNDER THE DEC 13, 1968 PRINCIPLES OF LAND LEGISLATION OF THE USSR AND UNION REPUBLICS. THE LAND DEVELOPMENT SERVICE OF THE USSR MINISTRY OF AGRICULTURE IS MADE RESPONSIBLE FOR SUPERVISION MEASURES BY NON-AGRICULTURAL ESTABLISHMENTS, INSTITUTIONS AND ORGANIZATIONS TO PREVENT POLLUTION OF THE LAND WITH INDUSTRIAL SOLID WASTES OR WASTEWATER, AND TO REGULATE ACTIVITIES HARMFUL TO THE LAND ASSOCIATED WITH CONSTRUCTION, MINING AND OTHER ENTERPRISES. FINES MAY BE LEVIED BY ADMINISTRATIVE PROCEDURE AGAINST VIOLATORS UNDER THE MAY 14, 1970 DECREE ON ADMINISTRATIVE RESPONSIBILITY FOR VIOLATION OF LAND LAW.

USSR
LR(A)

"MAY 14, 1970 DECREE ON ADMINISTRATIVE RESPONSIBILTIY FOR VIOLATION OF LAND LAW."
OKHRANA PRIRODY.
BLINOV, V. M., ED.
RUSSIAN 00/00/71 PGS 71-72 EPA ID# 01492C
SOLID WASTE WATER

THIS DECREE OF THE USSR SUPREME SOVIET ESTABLISHES ADMINISTRATIVE FINES FOR CERTAIN VIOLATIONS OF THE DEC 13, 1968 PRINCIPLES OF LAND LEGISLATION OF THE USSR AND UNION REPUBLICS. PERSONS RESPONSIBLE FOR POLLUTION OF AGRICULTURAL OR OTHER LANDS WITH INDUSTRIAL OR OTHER SOLID WASTES OR WASTEWATER ARE SUBJECT TO A FINE OF 100 RUBLES. ADMINISTRATIVE FINES MAY BE LEVIED IN CASES WHERE CRIMINAL PROCEEDINGS ARE NOT BROUGHT. FINES ARE TO BE LEVIED BY ADMINISTRATIVE COMMISSIONS OF REGIONAL OR MUNICIPAL COUNCILS OF WORKERS' DEPUTIES ON THE BASIS OF INFORMATION GATHERED BY AUTHORIZED AGENTS OF THE USSR MINISTRY OF AGRICULTURE.

EUR
USSR
LR(A)

"JUL 1, 1970 LAND CODE OF THE RSFSR (RUSSIAN REPUBLIC)." OKHRANA PRIRODY.
BLINOV, V. M., ED. EPA
RUSSIAN 00/00/71 PGS 53-55, 80 ID# 01492D
SOLID WASTE WATER

THE RSFSR LAND CODE IS DERIVED FROM THE DEC 13, 1960 PRINCIPLES OF LAND LEGISLATION OF THE USSR AND UNION REPUBLICS. THE PRINCIPLE OF SOLITARY STATE OWNERSHIP OF LAND IS ESTABLISHED IN ARTICLE 3. ARTICLE 27 REQUIRES LAND USERS IN THE RSFSR TO EMPLOY MEASURES TO PREVENT POLLUTION OF THE LAND BY SOLID WASTES OR WASTEWATER. ARTICLE 29 FORBIDS INDUSTRIAL ENTERPRISES AND OTHER ESTABLISHMENTS FROM POLLUTING AGRICULTURAL LAND OR OTHER LANDS WITH SOLID WASTES OR SEWAGE WATER.

USSR
LR(B)

"THE BASIS FOR A PERMISSIBLE LEVEL OF DISCHARGE OF PHTHALIC COMPOUNDS FROM POLYMERIC BUILDING MATERIALS." GIGIENA I SANITARIYA, NO. 1
ANTONYUK, O. K. EPA
RUSSIAN 00/00/75 PGS 108-109 ID# 02986A
ALSO ST
TOXIC SUBS AIR

THIS ARTICLE CONCERNS THE DETERMINATION IN THE USSR OF A PERMISSIBLE CONCENTRATION LIMIT IN THE AIR OF DIBUTYL PHTHALATE. THIS COMPOUND, USED IN THE MANUFACTURE OF POLYVINYL CHLORIDE MATERIALS FOR CONSTRUCTION PURPOSES, IS POTENTIALLY HARMFUL TO THE HEALTH OF WORKERS EXPOSED TO IT. THE ARTICLE DESCRIBES EXPERIMENTS CONDUCTED TO ESTABLISH THE RECOMMENDED PERMISSIBLE LIMIT OF DISCHARGE OF DIBUTYL PHTHALATE FROM POLYVINYL CHLORIDES, WHICH WAS DETERMINED TO BE 0.05 MG/M3. THIS CONCENTRATION LIMIT HAS BEEN APPROVED BY THE MINISTRY OF HEALTH.

USSR
LR(B)

"HYGIENIC STANDARDIZATION OF TIN DIBUTYL DIISOOCTYLTHIOGLYCOLATE IN WATER BODIES." GIGIENA I SANITARIYA, NO. 2
IGUMNOV, A. S. EPA
RUSSIAN 00/00/75 PGS 13-17 ID# 02992A
ALSO ST
TOXIC SUBS WATER

THIS ARTICLE CONCERNS THE ESTABLISHMENT IN THE USSR OF A PERMISSIBLE CONCENTRATION LIMIT FOR TIN DIBUTY_ DIISOOCTYLTHIOGLYCOLATE (TDDIOG) IN WATER BODIES. TDDIOG IS A TOXIC SUBSTANCE USED AS A STABILIZING AGENT IN POLYVINYL CHLORIDE. THE ARTICLE DESCRIBES EXPERIMENTS CONDUCTED TO DETERMINE THE LEVEL OF HARMLESSNESS OF TDDIOG IN WATERCOURSES, WITH REGARD TO ITS EFFECT ON WATER PROPERTIES SUCH AS SMELL, AFTER-TASTE AND BIOCHEMICAL OXYGEN DEMAND. THE RECOMMENDED PERMISSIBLE CONCENTRATION LIMIT WAS DETERMINED TO BE 0.01 MG/L.

EUR
USSR
LR(B)

"THE THRESHOLD OF ODOR AND REFLEX ACTIVITY ON AN ORGANISM OF SMALL CONCENTRATIONS OF SELENIUM AND TELLURIUM DIOXIDES IN THE AIR." GIGIENA I SANITARIYA, NO. 2
YAKHIMOVICH, N. P. EPA
RUSSIAN 00/00/75 PGS 101-102 ID# 03020A
ALSO ST
TOXIC SUBS AIR

THIS ARTICLE CONCERNS THE ESTABLISHMENT IN THE USSR OF PERMISSIBLE CONCENTRATION LIMITS IN THE AIR IN POPULATED AREAS FOR SELENIUM AND TELLURIUM DIOXIDES. SELENIUM AND TELLURIUM ARE FOUND IN ORES PROCESSED AT COPPER-SMELTING PLANTS TO PRODUCE ROUGH COPPER AND ARE FORMED IN THE REFINING PROCESS OF ROUGH COPPER. THEY ARE ALSO WIDELY APPLIED IN SEVERAL OTHER BRANCHES OF INDUSTRY. A DETAILED DISCUSSION OF EXPERIMENTATION CONDUCTED TO DETERMINE HYGIENIC STANDARDS FOR SELENIUM AND TELLURIUM DIOXIDES IS PROVIDED. THE RECOMMENDED MAXIMUM CONCENTRATION LIMIT IN THE AIR FOR SELENIUM DIOXIDE, DETERMINED RELATIVE TO ITS ODOR AND ITS EFFECT ON THE ELECTRICAL ACTIVITY OF THE CORTEX OF THE BRAIN, IS 0.1 MICROGRAM PER CUBIC METER. THE RECOMMENDED CONCENTRATION LIMIT FOR TELLURIUM DIOXIDE, DETERMINED RELATIVE TO ITS ODOR WHEN BREATHED OUT, IS 1.0 MICROGRAM PER CUBIC METER.

USSR
LR(B)

"DATA FOR HYGIENIC STANDARDIZATION OF CHLOROPRENIC LATEXES." GIGIENA I SANITARIYA, NO. 4
VOLKOVA, Z.A., L.A. DUEVA, AND Z.N. ZIL'FYAN EPA
RUSSIAN 00/00/75 PGS 45-48 ID# 03034A
ALSO ST
TOXIC SUBS AIR

THIS ARTICLE CONCERNS THE ESTABLISHMENT IN THE USSR OF A MAXIMUM PERMISSIBLE CONCENTRATION LIMIT FOR CHLOROPRENE IN LATEXES USED IN CERTAIN MANUFACTURING PROCESSES. THE AMOUNT OF CHLOROPRENE IN LATEXES MUST BE LIMITED TO CONFORM WITH THE PERMISSIBLE CONCENTRATION LIMIT OF CHLOROPRENE EMITTED INTO THE AIR, WHICH IS 2 MG/M3. EXPERIMENTATION IS DESCRIBED WHICH CONFIRMED THE TOXIC AND ALLERGENIC EFFECT OF CHLOROPRENE AND OTHER BIOLOGICALLY ACTIVE INGREDIENTS OF CHLOROPRENIC LATEXES ON WORKERS EXPOSED TO THEM. SUGGESTIONS FOR THE DECREASE, SUBSTITUTION OR ELIMINATION OF SUCH INGREDIENTS FROM THE COMPOSITION OF LATEXES ARE SET FORTH. IT IS RECOMMENDED THAT THE CONTENT OF CHLOROPRENE IN LATEXES SHOULD BE ZERO, BUT MUST NOT EXCEED 0.01 PERCENT. AN ENGLISH SUMMARY OF THE ARTICLE IS PROVIDED.

EUR
USSR
LR(B)

"HYGIENIC SUBSTANTIATION OF THE MAXIMUM PERMISSIBLE CONCENTRATION OF TIN TRIBUTYLMETACRYLATE IN WATER BODIES." GIGIENA I SANITARIYA. NO. 4
TSAI. V. N.
RUSSIAN 00/00/75 PGS 42-45 ID# 03049A
ALSO ST
TOXIC SUBS WATER

THIS ARTICLE CONCERNS THE ESTABLISHMENT IN THE USSR OF A PERMISSIBLE CONCENTRATION LIMIT IN WATERCOURSES FOR TIN TRIBUTYLMETACRYLATE (TBTM). TNTM IS AN OILY. COLORLESS OR LIGHT-YELLOW LIQUID WHICH IS HIGHLY TOXIC. THE THRESHOLD LIMITS OF TBTM IN RELATION TO ITS EFFECT ON ORGANOLEPTIC PROPERTIES OF WATER BODIES WERE FOUND TO BE 0.43 MG/L WITH REGARD TO AFTER-TASTE AND 0.064 MG/L WITH REGARD TO ODOR. THE THRESHOLD LIMITS IN RELATION TO ITS EFFECT ON BIOCHEMICAL OXYGEN DEMAND AND NITRIFICATION PROCESSES OF WATERCOURSES ARE 0.1 MG/L AND 0.5 MG/L. RESPECTIVELY. EXPERIMENTS CONDUCTED ON THE EFFECT OF TBTM ON LABORATORY ANIMALS ARE DESCRIBED IN DETAIL. CONCLUDING THAT THE HIGHEST CONCENTRATION OF TBTM HAVING NO HARMFUL EFFECT ON ANIMALS IS 0.00001 MG/KG OR 0.0002 MG/L. THEREFORE. 0.0002 MG/L IS THE RECOMMENDED PERMISSIBLE CONCENTRATION LIMIT FOR TBTM IN WATERCOURSES.

USSR
LR(B)

"HYGIENIC STANDARDIZATION OF THE CONTENT IN WATER OF MONOISOBUTYLAMINE AND DIISOBUTYLAMINE IN THEIR COMBINED ACTION." GIGIENA I SANITARIYA. NO. 4
KUKLINA. M.N. AND S.A. ZYABBAROVA
RUSSIAN 00/00/75 PGS 39-41 ID# 03051A
ALSO ST
TOXIC SUBS WATER

THIS ARTICLE CONCERNS THE ESTABLISHMENT IN THE USSR OF PERMISSIBLE CONCENTRATION LIMITS FOR MONOISOBUTYLAMINE (MIBA) AND DIISOBUTYLAMINE (DIBA) WHEN THEY ARE SIMULTANEOUSLY PRESENT IN WATERCOURSES. THESE SUBSTANCES ARE ALIPHATIC AMINES. USED IN THE PRODUCTION OF FUNGICIDES. WHICH MAY BE FOUND IN SEWAGE IN WATER BODIES. THE ARTICLE DESCRIBES EXPERIMENTS CONDUCTED TO DETERMINE THE EFFECT OF THE COMBINED ACTION OF MIBA AND DIBA ON ORGANOLEPTIC PROPERTIES AND PROCESSES OF NATURAL PURIFICATION OF WATERCOURSES. IT WAS CONCLUDED THAT THE CONCENTRATIONS OF MIBA AND DIBA. WHEN FOUND SIMULTANEOUSLY IN WATER BODIES. SHOULD NOT EXCEED ONE-HALF OF THEIR INDIVIDUAL PERMISSIBLE CONCENTRATION LIMITS. WHICH ARE 0.04 MG/L AND 0.07 MG/L RESPECTIVELY.

EUR
USSR
LR(A)

PREVENTION OF OIL POLLUTION IN OCEANS
NUNUPAROV S.M.
EPA
RUSSIAN 00/00/71 PGS 164 ID# 00168A
ALSO ST
WATER

THE BOOK DISCUSSES REASONS FOR OCEAN POLLUTION AS A RESULT OF TRANSPORT OPERATIONS AND WAYS TO DECREASE THE HARMFUL EFFECTS OF THIS POLLUTION ON NATURE AND MAN. A SURVEY IS GIVEN OF BASIC INTERNATIONAL AND USSR LEGISLATION FOR PREVENTION OF OIL POLLUTION.
PRACTICAL METHODS APPLIED IN THE USSR FOR DECREASING THE PROBABILITY OF ACCIDENTAL SPILLAGE OF OIL AND FOR PROHIBITING THE DUMPING OF OIL-POLLUTED WATER INTO THE OCEAN ARE PRESENTED. THERE ARE DESCRIPTIONS OF THE MOST EFFECTIVE ARRANGEMENTS AND DEVICES FOR LOCALIZING OIL SPILLS, THEIR REMOVAL, CONSTRUCTIONS FOR UNLOADING TANKERS, AND PURIFICATION.

USSR
LR(A)

DEC 10, 1972 BASIC PRINCIPLES OF WATER LEGISLATION OF THE USSR AND UNION REPUBLICS.
EPA
ENGLISH 12/10/72 PGS 1-34 ID# 00548A
WATER

BASIC PRINCIPLES OF SOVIET WATER LAW ARE ESTABLISHED WITHOUT REFERENCE TO DETAILS. THE GENERAL PURPOSE OF THE LEGISLATION IS TO ENSURE EFFICIENT, SCIENTIFICALLY VALID USE OF WATER RESOURCES SO AS TO PREVENT DEPLETION AND TO IMPROVE OVERALL QUALITY. THE USSR IS RESPONSIBLE FOR FORMULATION OF GUIDING PRINCIPLES OF WATER LEGISLATION AND THE UNION REPUBLICS ARE RESPONSIBLE FOR IMPLEMENTATION. PRIORITY IS GENERALLY GIVEN TO POTABLE AND DOMESTIC WATER REQUIREMENTS BEFORE NEW DEMANDS ON WATER RESOURCES ARE APPROVED. NEW PROJECTS MUST HAVE POLLUTION CONTROL FACILITIES AND CANNOT OVERTAX WATER RESOURCES. CONSTRUCTIONS IN WATER AREAS AFFECTING WATER QUALITY MUST BE APPROVED BY WATER CONTROL AUTHORITIES. USE OF SANITARY GROUND WATER IS GENERALLY RESTRICTED TO DRINKING AND DOMESTIC NEEDS. AGRICULTURAL USE OF WATER IS REGULATED BY AGRICULTURAL AUTHORITIES UNDER THE GUIDANCE OF WATER CONTROL AUTHORITIES.

USSR
LR(A)

"DEC 10, 1970 PRINCIPLES OF WATER LEGISLATION OF THE USSR AND UNION REPUBLICS."
VEDOMOSTI VERKHOVNOGO SOVETA SSSR, V. 33, N. 50 (1552).
EPA
RUSSIAN 12/16/70 PGS 706-723 ID# 00548B
WATER

THIS IS THE RUSSIAN TEXT OF THE USSR WATER LAW, ISSUED BY THE USSR SUPREME SOVIET, WHICH IS TO BECOME EFFECTIVE ON SEP 1, 1971. AN ABSTRACT OF THE ENGLISH TEXT OF THIS LAW APPEARS UNDER ID N. 00548A. AN ENGLISH TRANSLATION APPEARS IN THE BOOK BY IRVING FOX, WATER RESOURCES LAW AND POLICY IN THE SOVIET UNION, MADISON, 1971, P. 221.

EUR
USSR
LR(A)

"AUG 12, 1971 DECREE TO IMPLEMENT THE PRINCIPLES OF WATER LEGISLATION OF THE USSR AND UNION REPUBLICS." SOVETSKAYA YUSTITSIYA, N. 20, 1971.

EPA
RUSSIAN 10/00/71 PGS 25 ID# 00548C
WATER

THIS DECREE, ISSUED BY THE USSR SUPREME SOVIET, ESTABLISHES PROCEDURES FOR IMPLEMENTING THE NEW WATER LAW, "DEC 10, 1970 PRINCIPLES OF WATER LEGISLATION OF THE USSR AND UNION REPUBLICS," WHICH IS TO BECOME EFFECTIVE ON SEP 1, 1971. WATER LAWS OF THE VARIOUS REPUBLICS WHICH DO NOT CONTRADICT THE PROVISIONS OF THE "DEC 10, 1970 PRINCIPLES" REMAIN IN EFFECT UNTIL THEY ARE REVISED IN ACCORDANCE WITH THE ALL-UNION LAW. AGREEMENTS ON WATER USE AND DISPOSAL OF SEWAGE WHICH WERE ENTERED INTO BEFORE THE EFFECTIVE DATE OF THE NEW LAW MUST BE REVISED IN ACCORDANCE WITH THE "DEC 10, 1970 PRINCIPLES" IF THEY VIOLATE ITS PROVISIONS.

USSR
LR(A)

(JUN 30, 1972) WATER CODE OF THE RSFSR (OFFICIAL TEXT: VEDOMOSTI VERKHOVNOGO SOVETA RSFSR, N. 27, 1972, ITEM 692).
RSFSR MINISTRY OF JUSTICE

EPA
RUSSIAN 00/00/72 PGS 1-54 ID# 00548D
WATER

THE RSFSR (RUSSIAN REPUBLIC) WATER CODE IS DERIVED FROM THE "DEC 10, 1970 PRINCIPLES OF WATER LEGISLATION OF THE USSR AND UNION REPUBLICS." THIS ACT IMPLEMENTS PROVISIONS OF ALL-UNION LAW IN THE RSFSR, PROVIDING GUIDELINES ON WATER USE AND RESPONSIBILITY FOR ENFORCING WATER LAW. IN SECTION I, THE RELATIONSHIP BETWEEN ALL-UNION AND RSFSR LAW IS ESTABLISHED AND RESPONSIBILITIES OF REGIONAL AND MUNICIPAL GOVERNMENTS UNDER RSFSR LAW ARE DEFINED. SECTION II DEALS WITH ASPECTS OF WATER USE, INCLUDING WATER USE PRIORITIES, PROCEDURES AND CONDITIONS OF WATER USE, RIGHTS AND RESPONSIBILITIES OF WATER USERS, CONDITIONS FOR REVOKING THE RIGHT OF WATER USE AND GUIDELINES FOR RESOLVING QUESTIONS ON WATER USE. MEASURES TO PREVENT WATER POLLUTION AND EXHAUSTION OF WATER RESOURCES ARE OUTLINED IN SECTION III. REMAINING SECTIONS DEAL WITH THE ROLE OF THE STATE IN WATER MANAGEMENT AND LIABILITY FOR VIOLATION OF WATER LAW. AN ENGLISH TRANSLATION APPEARS IN SOVIET STATUTES AND DECISIONS, V. 9, N. 2, WINTER 1972-1973, P. 129.

USSR
LR(B)

NOVOE V VODNOM ZAKONODATEL'STVE (WHAT'S NEW IN WATER LEGISLATION)
KOLBASOV, O. S. AND V.I. KORZUN, A. M. KAVERIN

EPA
RUSSIAN 00/00/72 PGS 1-95 ID# 00548E
WATER

THIS BOOK PRESENTS THE TEXT OF THE WATER CODE OF THE USSR, DERIVED FROM THE "DECEMBER 10, 1970, PRINCIPLES OF WATER LEGISLATION IN THE USSR AND UNION REPUBLICS". ALSO PRESENTED ARE A BRIEF BACKGROUND HISTORY OF WATER PROTECTION MEASURES IN THE USSR BEFORE THEIR INTEGRATION INTO THE WATER CODE AND A DISCUSSION OF VARIOUS SECTIONS OF THE WATER CODE, INCLUDING ORGANS RESPONSIBLE FOR CONTROL OF WATER USE AND PROTECTION, REGULATIONS ON WASTEWATER DISCHARGE, OPTIMAL UTILIZATION OF WATER RESOURCES, PROCEDURES FOR ENFORCING THE WATER CODE, AND PENALTIES FOR VIOLATIONS.

EUR
USSR
LR(B)

"ENVIRONMENTAL PROTECTION IN THE SOVIET UNION: LEGAL BASES." BERICHTE DES BUNDESINSTITUTS FUER OSTWISSENSCHAFTLICHE UND INTERNATIONALE STUDIEN, 55/1971
SCHMID, KARIN
GERMAN
WATER AIR 00/00/71 PGS 1-18 EPA ID# 01294A

THIS PAPER, PUBLISHED BY THE WEST GERMAN FEDERAL INSTITUTE FOR EASTERN AND INTERNATIONAL STUDIES, EXAMINES THE LEGAL BASES FOR ENVIRONMENTAL LEGISLATION IN THE SOVIET UNION AND THE APPLICABLE LEVELS OF AUTHORITY FOR ENACTMENT AND IMPLEMENTATION. AMONG THE SPECIFIC TOPICS DISCUSSED ARE THE DISTRIBUTION OF STATE POWERS, ENVIRONMENTAL PROTECTION ON THE ALL-UNION LEVEL, CONTROL OF EROSION DAMAGE, WATER PROTECTION, THE PROTECTION OF THE NATURAL ENVIRONMENT, AND THE MAINTENANCE OF PURE AIR. THE AUTHOR POINTS OUT IN THE SUMMARY THAT, ALTHOUGH THE SOVIET UNION ASSIGNS TO THE GOVERNMENT EXCLUSIVE PROPRIETARY RIGHTS IN REGARD TO THE SOIL AND ITS RESOURCES TO WATERWAYS, INDUSTRIAL PLANTS, AND TO OTHER REALTY, THIS GOVERNMENTAL CONTROL DOES NOT CONFER ANY ADVANTAGE OVER NON-SOCIALIST STATES, BECAUSE OF THE SOVIET FEDERAL ORGANIZATION AND ITS COMPETING JURISDICTIONS.

USSR
LR(A)

"FEB 28, 1958 DECREE ON SUPPLEMENTARY MEASURES TO ELIMINATE POLLUTION AND IMPROVE CONSERVATION OF WATER RESOURCES." SISTEMATICHESKOYE SOBRANIYE ZAKONOV RSFSR, V. 8.
RUSSIAN
WATER 00/00/68 PGS 294 EPA ID# 01473A

THIS DECREE OF THE RSFSR (RUSSIAN REPUBLIC) COUNCIL OF MINISTERS MAKES THE MINISTRY OF HEALTH RESPONSIBLE FOR ESTABLISHING CONTROL OVER SANITARY PROTECTION OF WATER RESOURCES. REGIONAL COUNCILS OF MINISTERS AND LOCAL ADMINISTRATIVE BRANCHES OF GOVERNMENT ARE INSTRUCTED TO ESTABLISH PROGRAMS TO REDUCE DISCHARGE OF WASTEWATER, IMPROVE DESIGN OF ANTI-POLLUTION INSTALLATIONS, ENSURE CONSTRUCTION OF ADEQUATE PURIFICATION FACILITIES AND TRAIN PERSONNEL TO OPERATE THEM. INDUSTRIES ARE TO ESTABLISH SYSTEMATIC LABORATORY MONITORING OF OPERATION OF PURIFICATION PLANTS.

USSR
LR(A)

"SEP 4, 1959 DECREE ON STRENGTHENING STATE CONTROL OVER USE OF UNDERGROUND WATER AND MEASURES FOR ITS CONSERVATION." OKHRANA PRIRODY.
BLINOV, V. M., ED.
RUSSIAN
WATER 00/00/71 PGS 282-284 EPA ID# 01474A

THIS DECREE OF THE USSR COUNCIL OF MINISTERS ESTABLISHES PROCEDURES FOR AUTHORIZING CONSTRUCTION OF PUMPING STATIONS AND WELLS TO UTILIZE SUBTERRANEAN WATER RESOURCES. THE USSR MINISTRY OF GEOLOGY AND MINERAL CONSERVATION AND THE USSR MINISTRY OF HEALTH ARE RESPONSIBLE FOR ADMINISTERING USE OF SUBTERRANEAN WATERS AND DEVELOPING PROCEDURES TO PROTECT THEM FROM POLLUTION OR EXHAUSTION. CORRESPONDING MINISTRIES AND DEPARTMENTS AT REPUBLIC AND LOCAL LEVELS OF GOVERNMENT ARE RESPONSIBLE FOR IMPLEMENTING SUCH PROCEDURES. DRILLING OF FILTER BORES FOR DISCHARGE OF WASTEWATER IS PROHIBITED WITHOUT SPECIAL AUTHORIZATION TO BE GRANTED ONLY WHEN THERE IS NO THREAT OF POLLUTING GROUND WATER FIT FOR DOMESTIC SUPPLY. LOCAL AGENCIES OF THE STATE SANITARY INSPECTORATE ARE AUTHORIZED TO ESTABLISH SANITARY PROTECTION ZONES AROUND SOURCES OF DOMESTIC WATER SUPPLY. REPUBLIC COUNCILS OF MINISTERS ARE INSTRUCTED TO IMPLEMENT MEASURES TO INSURE THAT EXISTING INTAKE WELLS, PUMPING STATIONS AND FILTER BORES MEET REQUIREMENTS.

EUR
USSR
LR(A)

"APR 18, 1960 REGULATIONS ON PROCEDURES FOR USE AND CONSERVATION OF SUBTERRANEAN WATER RESOURCES IN THE USSR." OKHRANA PRIRODY.
BLINOV, V. M., ED.
RUSSIAN 00/00/71 PGS 311-318 EPA ID# 01474B
WATER

THESE REGULATIONS, ISSUED BY THE USSR MINISTRY OF GEOLOGY AND MINERAL CONSERVATION, ESTABLISH GUIDELINES ON UTILIZATION AND CONSERVATION OF SUBTERRANEAN WATER RESOURCES WHICH ARE TO BE OBSERVED BY ALL INDUSTRIAL, AGRICULTURAL OR OTHER ENTERPRISES. IMPLEMENTATION OF THESE REGULATIONS IS TO BE COORDINATED BY THE USSR MINISTRY OF GEOLOGY AND MINERAL CONSERVATION AND THE USSR MINISTRY OF HEALTH. IN PART I OF THESE REGULATIONS, PROCEDURES FOR THE USE OF UNDERGROUND WATER RESOURCES STIPULATED IN THE SEP 4, 1959 DECREE OF THE USSR COUNCIL OF MINISTERS ARE EXTENDED. PART II CONTAINS DETAILED PROVISIONS FOR THE PREVENTION OF POLLUTION OR EXHAUSTION OF UNDERGROUND WATER RESOURCES. RESPONSIBILITY OF VARIOUS DEPARTMENTS OF GOVERNMENT AT THE ALL-UNION REPUBLIC, REGIONAL AND MUNICIPAL LEVELS FOR MONITORING THE USE AND CONSERVATION OF SUBTERRANEAN WATER, AND ENFORCING THESE REGULATIONS IS ESTABLISHED IN PART III.

USSR
LR(A)

"SEP 13, 1965 DECREE TO IMPROVE THE USE AND PROMOTE CONSERVATION OF UNDERGROUND WATER IN THE RSFSR." SISTEMATICHESKOYE SOBRANIYE ZAKONOV RSFSR, V. 8.
RUSSIAN 00/00/68 PGS 309-310 EPA ID# 01474C
WATER

IN THIS DECREE, THE RSFSR (RUSSIAN REPUBLIC) COUNCIL OF MINISTERS INSTRUCTS THE MINISTRY OF HEALTH, THE STATE COMMITTEE ON IRRIGATION AND WATER MANAGEMENT (GOSZEMVODKHOZ), AND ADMINISTRATIVE BRANCHES OF GOVERNMENT AT REGIONAL AND LOCAL LEVELS TO ESTABLISH STRICT CONTROL OVER THE SANITARY STATE OF SUBTERRANEAN WATER TO PREVENT POLLUTION BY WASTEWATER. THE STATE COMMITTEE FOR INDUSTRIAL GEOLOGY AND THE STATE COMMITTEE ON IRRIGATION AND WATER MANAGEMENT ARE RESPONSIBLE FOR ADMINISTRATION OF THIS DECREE.

USSR
LR(A)

"APR 22, 1960 DECREE ON MEASURES TO REGULATE THE USE AND IMPROVE CONSERVATION OF WATER RESOURCES IN THE USSR." OKHRANA PRIRODY.
BLINOV, V. M., ED.
RUSSIAN 00/00/71 PGS 279-281 EPA ID# 01475A
WATER

THIS DECREE OF THE USSR COUNCIL OF MINISTERS INSTRUCTS REPUBLIC COUNCILS OF MINISTERS TO ORGANIZE REGULATORY AGENCIES TO SUPERVISE USE OF SURFACE AND SUBTERRANEAN WATER RESOURCES IN THE VARIOUS REPUBLICS, TO IMPLEMENT ANTI-POLLUTION PROGRAMS, TO KEEP RECORDS ON WATER USE AND ON POLLUTION LEVELS, TO DEVELOP STANDARDS ON DESIGN AND CONSTRUCTION OF FACILITIES AT ENTERPRISES USING WATER RESOURCES, AND TO ESTABLISH AGREEMENTS WITH NEIGHBORING REPUBLICS ON MUTUAL WATER PROBLEMS. CONSTRUCTION OR OPERATION OF ENTERPRISES DISCHARGING WASTEWATER WITHOUT ADEQUATE PURIFICATION FACILITIES IS FORBIDDEN. PURIFICATION FACILITIES MUST BE COMPLETED AND CERTIFIED BY THE STATE SANITARY INSPECTORATE BEFORE NEW PLANTS BEGIN OPERATING. REPUBLIC COUNCILS OF MINISTERS MUST ALLOCATE FUNDS IN THE FRAMEWORK OF THE FIVE-YEAR-PLANS TO IMPLEMENT ANTI-POLLUTION MEASURES. IN WATER PROTECTION ZONES, VEGETATION GROWTH MUST BE MAINTAINED AND EXCESSIVE LUMBERING IS FORBIDDEN. THE USSR MINISTRY OF GEOLOGY IS TO MONITOR QUALITY OF UNDERGROUND WATER.

EUR
USSR
LR(A)

"SEP 23, 1968 DECREE ON MEASURES TO PREVENT POLLUTION OF THE CASPIAN SEA." OKHRAN PRIRODY.
BLINOV, V. M., ED.
RUSSIAN
WATER
00/00/71 PGS 288-292 EPA ID# 014758

THIS DECREE, ISSUED BY THE USSR COUNCIL OF MINISTRIES, DEFINES MEASURES TO PREVENT POLLUTION OF THE CASPIAN BY WASTEWATER AND OIL PRODUCTS DISCHARGED PRIMARILY BY THE PETROLEUM INDUSTRY. THE CHEMICAL INDUSTRY AND VESSELS OPERATING ON THE SEA AND RIVERS FEEDING IT. A BAN ON ENTERPRISES OPERATING WITHOUT ADEQUATE PURIFICATION FACILITIES IS TO BE STRICTLY ENFORCED. THE USSR MINISTRY OF THE PETROLEUM INDUSTRY IS INSTRUCTED NOT TO APPROVE THE DRILLING OF NEW BOREHOLES IN THE CASPIAN REGION UNLESS ADEQUATE MEASURES TO PREVENT OIL POLLUTION OF THE SEA ARE IMPLEMENTED. DISCHARGE OF CHEMICALLY TREATED CLAY OR MORTAR INTO THE SEA IS TO BE HALTED BY JAN 1, 1970. MEANS OF PUMPING WASTEWATER BACK INTO LOWER STRATA WITHOUT ENDANGERING SANITARY SUBTERRANEAN WATER RESOURCES ARE TO BE EXPLORED. ADDITIONAL WASTE PURIFICATION PLANTS AROUND THE CITY OF BAKU ARE TO BE CONSTRUCTED DURING THE 1971-1975 FIVE-YEAR PLAN. ALL VESSELS OPERATING ON THE CASPIAN SEA ARE TO BE EQUIPPED BY 1970 WITH FACILITIES TO PREVENT DISCHARGE OF WASTEWATER OR OIL.

USSR
LR(A)

"JAN 21, 1969 DECREE OF MEASURES FOR CONSERVATION AND RATIONAL USE OF NATURAL COMPLEXES IN THE LAKE BAYKAL BASIN." OKHRANA PRIRODY.
BLINOV, V. M., ED.
RUSSIAN
WATER AIR
00/00/71 PGS 293-294 EPA ID# 01475C

THIS DECREE OF THE USSR COUNCIL OF MINISTRIES ESTABLISHES A WATER CONSERVATION ZONE AROUND LAKE BAYKAL WITH SPECIAL CONTROLS OVER THE USE OF NATJRAL RESOURCES AND FOREST MANAGEMENT PROCEDURES IN THE AREA. THE USSR MINISTRY OF SOIL AND WATER CONSERVATION AND THE RSFSR COUNCIL OF MINISTERS ARE TO SUPERVISE A SYSTEMATIC POLLUTION CONTROL PROGRAM. THE RSFSR COUNCIL OF MINISTERS IS INSTRUCTED TO COMPLETE ITS PROGRAM OF CONSTRUCTING ADEQUATE PURIFICATION FACILITIES TO PREVENT DISCHARGE OF UNTREATED INDUSTRIAL OR DOMESTIC WASTEWATER INTO THE LAKE BY THE END OF 1970. PURIFICATION FACILITIES ARE TO BE COMPLETED AT THE BAYKAL CELLULOSE PLANT BY THE END OF 1969. EXPANSION OR ESTABLISHMENT OF INDUSTRIES WHICH CANNOT PREVENT ADDITIONAL WATER OR AIR POLLUTION IS PROHIBITED. ADMINISTRATORS ARE MADE PERSONALLY RESPONSIBLE FOR IMPLEMENTING POLLUTION CONTROLS. THE STATE HYDROMETEOROLOGICAL SERVICE AND THE USSR MINISTRY OF HEALTH ARE TO INCREASE CONTROL OVER SANITARY QUALITY OF WATER FEEDING LAKE BAYKAL.

EUR
USSR
LR(A)

"AUG 6, 1960 DECREE ON MEASURES TO REGULATE USE AND IMPROVE CONSERVATION OF WATER RESOURCES IN THE RSFSR." SISTEMATICHESKOYE SOBRANIYE ZAKONOV RSFSR, V. 8.
EPA
RUSSIAN 00/00/68 PGS 295-296 ID# 01475D
WATER

THIS DECREE OF THE RSFSR (RUSSIAN REPUBLIC) COUNCIL OF MINISTERS ESTABLISHES RESPONSIBILITY FOR IMPLEMENTING THE APR 22, 1960 DECREE ON MEASURES TO REGULATE USE AND IMPROVE CONSERVATION OF WATER RESOURCES IN THE USSR ISSUED BY THE USSR COUNCIL OF MINISTERS. ADMINISTRATIVE BRANCHES OF GOVERNMENT AT REPUBLIC, REGIONAL AND LOCAL LEVELS ARE INSTRUCTED TO ALLOCATE FUNDS AND PROVIDE MATERIAL AND TECHNICAL SUPPORT FOR PROGRAMS TO IMPROVE UTILIZATION AND PREVENT POLLUTION OF WATER RESOURCES IN THE RSFSR. OPERATING INDUSTRIES ARE FORBIDDEN TO INCREASE AMOUNTS OF WASTEWATER DISCHARGED UNLESS AVAILABLE PURIFICATION TECHNOLOGY HAS BEEN FULLY EXPLOITED. NEW INDUSTRIES ARE NOT ALLOWED TO BEGIN OPERATING UNTIL APPROPRIATE POLLUTION CONTROL FACILITIES HAVE BEEN INSTALLED AND CERTIFIED BY THE STATE SANITARY INSPECTORATE. BONUSES WILL BE AWARDED TO ENTERPRISES WHICH COMPLETE INSTALLATION OF PURIFICATION FACILITIES ON SCHEDULE.

USSR
LP(A)

"AUG 28, 1963 DECREE ON MEASURES TO PREVENT POLLUTION BY UNTREATED WASTEWATER OF THE MOSCOW RIVER AND OTHER WATER RESOURCES IN MOSCOW OBLAST." SIST. SOB. ZAKONOV RSFSR, V. 8.
EPA
RUSSIAN 00/00/68 PGS 297-299 ID# 01475E
WATER SOLID WASTE

THIS DECREE OF THE RSFSR (RUSSIAN REPUBLIC) COUNCIL OF MINISTERS ESTABLISHES SPECIFIC MEASURES TO PREVENT POLLUTION OF SURFACE WATERS IN THE MOSCOW RIVER BASIN. MOSCOW CITY AND MOSCOW OBLAST AGENCIES RESPONSIBLE FOR IMPLEMENTING POLLUTION CONTROL MEASURES ARE INSTRUCTED TO ENFORCE WITHOUT EXCEPTION THE APR 22, 1960 DECREE OF THE USSR COUNCIL OF MINISTERS PROHIBITING THE OPERATION OF POTENTIALLY POLLUTING ENTERPRISES WITHOUT ADEQUATE SEWAGE TREATMENT FACILITIES TO ENSURE PURITY AND SANITARY SAFETY OF THESE WATERS. VESSELS OPERATING ON THESE WATERS ARE FORBIDDEN TO DUMP REFUSE, WASTEWATER OR OIL PRODUCTS INTO THE RIVER. SLUDGE EXTRACTED FROM THE RIVER BEDS SHALL BE UNLOADED ONLY AT DESIGNATED PLACES. (SIMILAR LAWS ESTABLISHING REGULATIONS TO PREVENT POLLUTION OF VARIOUS RIVER BASINS IN THE RSFSR HAVE BEEN ISSUED BY THE COUNCIL OF MINISTERS.)

EUR
USSR
LR(A)

"SEP 9, 1963 DECREE ON MEASURES TO PREVENT POLLUTION OF THE OB-IRTYSHSKIY RIVER BASIN WITH UNTREATED WASTEWATER." OKHRANA PRIRODY.
BLINOV, V. M., ED.
EPA
RUSSIAN 00/00/71 PGS 297-298 ID# 01475F
WATER

THIS DECREE OF THE RUSSIAN REPUBLIC COUNCIL OF MINISTERS INSTRUCTS RESPONSIBLE MINISTRIES AND BRANCHES OF GOVERNMENT TO STRICTLY OBSERVE THE APR 22, 1960 DECREE OF THE USSR COUNCIL OF MINISTERS WHICH PROHIBITS CONSTRUCTION OR OPERATION OF ENTERPRISES DUMPING WASTEWATER WITHOUT ADEQUATE PURIFICATION FACILITIES. IT ALSO INSTRUCTS THE RUSSIAN REPUBLIC MINISTRY OF RIVER NAVIGATION AND OTHER MINISTRIES AND DEPARTMENTS OPERATING SHIPS ON RIVERS OF THE OB-IRTYSHSKIY BASIN TO PREVENT DISCHARGE OF REFUSE, SEWAGE OR WASTEWATER CONTAINING OIL PRODUCTS INTO THE RIVER FROM SHIPS. THIS REGULATION IS TO BE ENFORCED BY THE RUSSIAN REPUBLIC STATE COMMITTEE ON WATER MANAGEMENT.

USSR
LR(A)

"SEP 18, 1965 DECREE ON INSUFFICIENCY IN CONSTRUCTION OF APPARATUS FOR PURIFICATION OF INDUSTRIAL WASTEWATER AND ATMOSPHERIC EMISSIONS." SIST. SOB. ZAKONOV RSFSR, V. 8.
EPA
RUSSIAN 00/00/68 PGS 310-313 ID# 01475G
WATER AIR

IN THIS DECREE OF THE RSFSR (RUSSIAN REPUBLIC) COUNCIL OF MINISTERS, FAILURES TO FULFILL PLANS FOR CONSTRUCTION OF SEWAGE PURIFICATION SYSTEMS AND INSTALLATION OF AIR POLLUTION CONTROL APPARATUS ARE NOTED. ADMINISTRATIVE BRANCHES OF GOVERNMENT IN THE RSFSR ARE INSTRUCTED TO STRICTLY ENFORCE THE APR 22, 1960 DECREE OF THE USSR COUNCIL OF MINISTERS ON MEASURES TO PREVENT WATER AND AIR POLLUTION AT NEW INDUSTRIES. FUNDS ALLOCATED FOR SUCH PURPOSES CANNOT BE DIVERTED TO OTHER ENDS. BEGINNING WITH THE 1966 FIVE-YEAR-PLAN, APPROPRIATE RSFSR MINISTRIES, DEPARTMENTS AND AGENCIES ARE INSTRUCTED TO ALLOCATE FUNDS FOR CONSTRUCTION OF SEWAGE SYSTEMS, WATER PURIFICATION PLANTS AND AIR POLLUTION CONTROL APPARATUS AT A STIPULATED LEVEL PROPORTIONATE TO PRODUCTIVE CAPACITY OF THE INDUSTRIES INVOLVED. RESPONSIBLE DEPARTMENTS ARE TO SUPPORT RESEARCH ON DEVELOPMENT OF MORE EFFECTIVE PURIFICATION SYSTEMS. THE MINISTRY OF HEALTH AND THE STATE COMMITTEE ON IRRIGATION AND WATER MANAGEMENT ARE RESPONSIBLE FOR IMPLEMENTING THIS DECREE.

EUR
USSR
LR(A)

"AUG 12, 1967 ORDER TO INCREASE STATE SUPERVISION OF WATER CONSERVATION AND USE THROUGH REGIONAL WATER RESOURCE INSPECTORATES AND HYDROLOGICAL LABORATORIES." OKHRANA PRIRODY.
BLINOV, V. M., ED.
RUSSIAN
WATER
EPA
00/00/71 PGS 299-300 ID# 01475H

IN THIS ORDER, ISSUED BY THE RSFSR (RUSSIAN REPUBLIC) MINISTRY OF SOIL AND WATER CONSERVATION, THE REGIONAL WATER RESOURCE INSPECTORATES ARE INSTRUCTED TO ENFORCE ANTI-POLLUTION LEGISLATION, TO COORDINATE THEIR WORK MORE CLOSELY WITH OTHER RESPONSIBLE AGENCIES, AND TO COLLECT DATA ON POLLUTION LEVELS AND REPORT TO THE RSFSR MINISTRY. IT IS NOTED THAT THE INSPECTORATES HAVE BEEN NEGLIGENT IN EFFORTS TO CONTROL DOMESTIC, INDUSTRIAL AND OTHER TYPES OF WATER POLLUTION. AUTHORITY IS GRANTED TO THE INSPECTORATES TO SHUT DOWN ENTERPRISES WHICH FAIL TO COMPLY WITH WATER CONSERVATION AND ANTIPOLLUTION REGULATIONS UNTIL ADEQUATE PURIFICATION INSTALLATIONS ARE OPERATIONAL.

USSR
LR(A)

"FEB 6, 1968 DECREE ON THE USSR CONTINENTAL SHELF." OKHRANA PRIRODY.
BLINOV, V. M., ED.
RUSSIAN
WATER GENERAL
EPA
00/00/71 PGS 101-102 ID# 01476A

THIS DECREE OF THE USSR SUPREME SOVIET ESTABLISHES SOVIET AUTHORITY OVER AREAS OF THE CONTINENTAL SHELF LYING BEYOND THE TERRITORIAL WATERS OF THE USSR. THE NATURAL WEALTH OF THE CONTINENTAL SHELF IS CLAIMED AS STATE PROPERTY OF THE USSR AND IS TO BE REGULATED UNDER SOVIET LAW. PRIMARY RESPONSIBILITY FOR PROTECTING THE NATURAL WEALTH OF THE SHELF IS GIVEN TO THE USSR MINISTRY OF FISHERIES. VIOLATION OF THIS STATUTE CARRIES A PENALTY NOT TO EXCEED A FINE OF 10,000 RUBLES AND ONE YEAR IN PRISON. LEGISLATION TO CONTROL POLLUTION OF THE CONTINENTAL SHELF AND ITS WATERS IS BASED ON THIS STATUTE.

USSR
LR(A)

"JUL 18, 1969 DECREE ON PROCEDURES FOR CONDUCTING WORK ON THE USSR CONTINENTAL SHELF AND PRESERVING ITS NATURAL WEALTH." OKHRANA PRIRODY.
BLINOV, V. M., ED.
RUSSIAN
WATER SOLID WASTE RADIATION
EPA
00/00/71 PGS 102-104 ID# 01476B

THIS DECREE OF THE USSR COUNCIL OF MINISTERS ESTABLISHES REGULATIONS TO ENSURE THE RATIONAL USE OF NATURAL RESOURCES OF THE SOVIET UNION'S CONTINENTAL SHELF UNDER THE "FEB 6, 1968 DECREE ON THE USSR CONTINENTAL SHELF." ORGANIZATIONS AND INDIVIDUALS WORKING ON THE CONTINENTAL SHELF ARE OBLIGATED TO PREVENT POLLUTION OF THE SHELF AND ITS WATERS WTH INDUSTRIAL SOLID WASTES, REFUSE, WASTEWATER OR RADIOACTIVE SUBSTANCES, AND TO EMPLOY MEASURES TO PROTECT PLANT AND ANIMAL LIFE. IN CASES WHICH THREATEN THE NATURAL WEALTH OF THE CONTINENTAL SHELF, HUMAN HEALTH OR THE LIVING RESOURCES OF THE SEA, CESSATION OF WORK ORDERS MAY BE ISSUED. THE USSR MINISTRY OF FISHERIES, THE STATE SANITARY INSPECTORATE OF THE USSR MINISTRY OF HEALTH AND THE HYDROMETEOROLOGICAL SERVICE OF THE USSR COUNCIL OF MINISTERS ARE RESPONSIBLE FOR ENFORCING POLLUTION CONTROL ASPECTS OF THIS DECREE.

EUR
USSR
LR(A)

"OCT 24, 1968 DECREE ESTABLISHING REGULATIONS ON THE USSR MINISTRY OF GEOLOGY."
OKHRANA PRIRODY.
BLINOV, V. M., ED.
RUSSIAN 00/00/71 PGS 95 EPA ID# 01477A
WATER

THIS DECREE OF THE USSR COUNCIL OF MINISTERS ESTABLISHES RESPONSIBILITY OF THE USSR MINISTRY OF GEOLOGY TO EXERCISE CONTROL OVER THE USE OF SUBTERRANEAN WATER RESOURCES (OTHER THAN HYDROMINERAL RESOURCES) AND TO PRESERVE THEM FROM EXHAUSTION OR POLLUTION.

USSR
LR(A)

"APR 22, 1959 REGULATIONS ON DESIGN, CONSTRUCTION AND OPERATION OF DRINKING WATER SUPPLY SYSTEMS." GIGIYENA I SANITARIYA.
RUSSIAN 02/00/60 PGS 107-116 EPA ID# 01478A
WATER

THESE USSR MINISTRY OF HEALTH REGULATIONS DEFINE REQUIREMENTS FOR SANITARY PROTECTION ZONES AROUND SOURCES OF WATER USED FOR DOMESTIC DRINKING SUPPLY. THREE ZONES ARE TO BE ESTABLISHED AROUND DESIGNATED WATER SOURCES. ZONE I, WHICH INCLUDES THE WATER SOURCE AND ITS IMMEDIATE VICINITY, MUST BE ENCLOSED BY A FENCE. USE OF ORGANIC FERTILIZERS, PESTICIDES OR FUNGICIDES, GRAZING OF CATTLE OR CONSTRUCTION OF BUILDINGS OR INSTALLATIONS NOT DIRECTLY RELATED TO OPERATION OF WATER-SUPPLY SYSTEM ARE PROHIBITED IN THIS AREA. IN ZONE II, WHICH INCLUDES THE CATCHMENT AREA OF THE WATER SOURCE AND TRIBUTARIES IN ITS IMMEDIATE VICINITY, ADEQUATE PURIFICATION FACILITIES TO TREAT INDUSTRIAL AND DOMESTIC SEWAGE MUST BE INSTALLED AND MEASURES TO PRESERVE FOREST COVER MUST BE IMPLEMENTED. ZONE III IS AN OBSERVATION ZONE WITHOUT SPECIAL RESTRICTIONS. PUMPING STATIONS FOR USE OF UNDERGROUND WATER MUST BE DESIGNED SO AS TO PREVENT POLLUTION OF UNDERGROUND WATERS FROM THE SURFACE OR FROM OTHER LEVELS OF SUBTERRANEAN WATER.

USSR
LR(A)

"JUL 16, 1964 REGULATIONS ON SANITARY PROTECTION OF COASTAL AREAS OF THE SEA."
OKHRANA PRIRODY.
BLINOV, V. M., ED.
RUSSIAN 00/00/71 PGS 311 EPA ID# 01479B
WATER RADIATION

THESE REGULATIONS OF THE USSR MINISTRY OF HEALTH EXTEND THE JUL 15, 1961 REGULATIONS ON PROTECTION OF SURFACE WATER FROM POLLUTION BY WASTEWATER TO INCLUDE COASTAL AREAS OF THE SEA ADJACENT TO CITIES, TOWNS, HEALTH RESORTS, WATER RECREATION FACILITIES, TOURIST CENTERS AND OTHER POPULATED POINTS. THESE REGULATIONS DO NOT APPLY TO POLLUTION CONTROL IN COASTAL AREAS OF THE SEA USED FOR COMMERCIAL FISHING, WHICH ARE REGULATED BY AGENCIES RESPONSIBLE FOR FISHERIES.

EUR
USSR
LR(A)

"APR 28, 1970 STANDARDS ON MAXIMUM PERMISSIBLE CONCENTRATIONS OF HARMFUL SUBSTANCE IN WATER USED FOR HYGIENIC PURPOSES OR DOMESTIC SUPPLY." INT. DIG. HLTH. LEG., V. 23.
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/72 PGS 873-881 ID# 01480A
WATER

IN THESE STANDARDS, THE USSR MINISTRY OF HEALTH LISTS MAXIMUM CONCENTRATIONS OF 294 HARMFUL SUBSTANCES PERMISSIBLE IN WATERS INTENDED FOR DOMESTIC DRINKING SUPPLY OR HYGIENIC PURPOSES. WHEN SEVERAL POLLUTANTS WITH A COMBINED TOXIC EFFECT ARE PRESENT IN A BODY OF WATER, THEIR TOTAL CONCENTRATION MUST NOT EXCEED MAXIMUM PERMISSIBLE CONCENTRATION FOR ONE OF THEM. JAN 12, 1967 STANDARDS ON MAXIMUM CONCENTRATIONS OF POLLUTANTS IN WATER ARE REPEALED.

USSR
LR(A)

"JUL 20, 1962 ORDER ON PROCEDURES FOR COLLECTING INFORMATION AND RESOLVING CASES INVOLVING ADMINISTRATIVE FINES AGAINST OFFICIALS." OKHRANA PRIRODY.
BLINOV, V. M., ED. EPA
RUSSIAN 00/00/71 PGS 300-301 ID# 01481A
WATER

THIS ORDER, ISSUED BY THE RSFSR MINISTRY OF SOIL AND WATER CONSERVATION, ESTABLISHES PROCEDURES TO BE USED BY THE WATER RESOURCES INSPECTORATES AND OTHER AGENCIES WITH WATER CONSERVATION RESPONSIBILITIES IN DETERMINING WHETHER OR NOT TO LEVY FINES AGAINST ADMINISTRATIONS OF INDUSTRIAL ENTERPRISES CHARGED WITH VIOLATION OF WATER CONSERVATION AND WATER USE REGULATIONS. ENGLISH TRANSLATION APPEARS IN SOVIET STATUTES AND DECISIONS, V. 9, N. 2, WINTER 1972-1973, P. 169.

USSR
LR(A)

"FEB 18, 1963 DECREE ESTABLISHING FINES FOR VIOLATION OF REGULATIONS ON CONSERVATION AND USE OF WATER RESOURCES." OKHRANA PRIRODY.
BLINOV, V. M., ED. EPA
RUSSIAN 00/00/71 PGS 298 ID# 01482A
WATER SOLID WASTE

THIS DECREE OF THE RUSSIAN REPUBLIC COUNCIL OF MINISTRIES ESTABLISHES AND ADMINISTRATIVE FINE OF UP TO 50 RUBLES FOR OFFICIALS AND 10 RUBLES FOR PRIVATE CITIZENS FOUND GUILTY OF VIOLATING REGULATIONS ON WATER USE AND CONSERVATION, OR CAUSING POLLUTION OF SURFACE OR SUBTERRANEAN WATERS WITH UNTREATED WASTEWATER OR REFUSE. THIS REGULATION IS TO BE ENFORCED BY BRANCHES OF THE RUSSIAN REPUBLIC STATE COMMITTEE ON WATER MANAGEMENT UNDER STANDARD ADMINISTRATIVE PROCEDURES.

EUR
USSR
LR(B)

TEORETICHESKIYE OSNOVY PRAVA POL'ZOVANIYA VODAMI V SSSR (THEORETICAL PRINCIPLES OF LEGISLATION ON WATER USE IN THE USSR)
KOLBASOV, O.S.
RUSSIAN 00/00/72 PGS 1-225 EPA ID# 01579A
ALSO PMB
WATER

THE AUTHOR CONSIDERS RATIONAL USE OF WATER TO BE ONE OF THE INDISPENSABLE COMPONENTS IN MANAGEMENT OF NATURAL RESOURCES. THE BOOK CONCERNS CENTRAL QUESTIONS IN LEGAL REGULATION OF WATER USE. THE AUTHOR REVIEWS THEORETICAL ASPECTS OF THE PROBLEM, DISCUSSES CLASSIFICATION OF VARIOUS TYPES OF WATER USE, AND ANALYZES WATER LEGISLATION IN RELATION TO OTHER CONSERVATION LAWS. THE FIRST CHAPTER CONCERNS THE PRINCIPLE OF EXCLUSIVE STATE OWNERSHIP OF WATER RESOURCES AS WELL AS NEW DEVELOPMENTS AND CHANGES IN WATER LEGISLATION. THE SECOND CHAPTER IS DEVOTED TO MANAGEMENT OF THE STATE WATER RESERVE AND REGULATION OF WATER USE IN RELATION TO LAWS CONCERNING THE USE OF OTHER NATURAL RESOURCES. THE FINAL CHAPTER DEALS WITH CRIMINAL RESPONSIBILITY FOR VIOLATION OF WATER LAWS, COMPENSATION FOR DAMAGE TO WATER RESOURCES, ADMINISTRATIVE RESPONSIBILITY AND REVOCATION OF THE RIGHT TO USE WATER RESOURCES AS MEASURES FOR ENFORCING WATER LAWS. A NUMBER OF SUGGESTIONS FOR IMPROVING WATER LEGISLATION ARE DISCUSSED.

USSR
LR(B)

"NEW WATER LAW IN THE USSR." BYULLETEN' PO VODNOMU KHOZYAYSTVU, NO. 9, 1972
OVSYANNIKOV, N.
RUSSIAN 00/00/72 PGS 14-17 EPA ID# 01583A
ALSO PMB
WATER

THE AUTHOR REVIEWS WATER REGULATIONS AND ADMINISTRATIVE RESPONSIBILITY UNDER THE "BASIC WATER LEGISLATION OF THE USSR AND THE UNION REPUBLICS." APPROVED ON DECEMBER 10, 1970. THE NEW LAW SETS PRIORITIES FOR WATER USE, MAKING DOMESTIC WATER SUPPLY THE PRIMARY CONCERN. WATER RESOURCES MAY NOT BE USED FOR INDUSTRIAL, AGRICULTURAL OR OTHER PURPOSES AT THE EXPENSE OF QUALITY OF DOMESTIC WATER SUPPLY. REGULATIONS ARE ESTABLISHED FOR DESIGN AND CONSTRUCTION OF ENTERPRISES WHICH AFFECT WATER QUALITY. NEW INDUSTRIES MUST HAVE APPARATUS TO PREVENT ADDITIONAL POLLUTION. THE LAW INCLUDES PROVISIONS ON THE RIGHTS AND OBLIGATIONS OF WATER USERS, ADMINISTRATIVE RESPONSIBILITY, COMPENSATION FOR LOSSES DUE TO WATER POLLUTION, AND SUSPENSION OF RIGHT TO USE WATER RESOURCES IN CASES OF WATER LAW VIOLATIONS. THE NEED TO DEVELOP SCIENTIFIC PRINCIPLES OF WATER USE IS STRESSED. THE USSR MINISTRY OF MELIORATION AND WATER MANAGEMENT IS RESPONSIBLE FOR EXECUTION OF WATER LAWS ON AN ALL-UNION LEVEL WITH LOCAL MINISTRIES RESPONSIBLE FOR LOCAL IMPLEMENTATION.

EUR
USSR
LR(A)

"DECREE OF THE SUPREME SOVIET OF THE USSR ON THE DIRTYING OF SEA WATER BY SUBSTANCES HARMFUL TO HUMAN HEALTH OR TO LIVING SEA RESOURCES." BYULLETEN' VERKHOVNOGO SUDA SSSR
EPA
RUSSIAN 02/00/74 PGS 41-42 ID# 02142A
WATER

THIS DECREE, EFFECTIVE MARCH 1, 1974, ESTABLISHES PENALTIES FOR POLLUTING NAVIGABLE BODIES OF WATER IN THE USSR BY ILLEGAL DUMPING OF HARMFUL SUBSTANCES FROM SHIPS. ANY SUCH DISCHARGES INTO THESE WATERS OF SUBSTANCES WHICH ARE DELETERIOUS TO HUMAN HEALTH OR TO OTHER LIVING ORGANISMS OR DISCHARGES OF MIXTURES CONTAINING HARMFUL SUBSTANCES IN AMOUNTS EXCEEDING ESTABLISHED STANDARDS ARE PUNISHABLE BY UP TO TWO YEARS IMPRISONMENT, UP TO ONE YEAR OF CORRECTIONAL LABOR, OR A FINE OF UP TO 10,000 RUBLES. THESE PENALTIES ARE INCREASED UP TO FIVE YEARS IMPRISONMENT OR A FINE UP TO 20,000 RUBLES IF THESE ACTIONS CAUSE CONSIDERABLE DAMAGE TO HUMAN HEALTH OR TO OTHER ORGANISMS. FAILURE BY SHIP CAPTAINS TO REPORT NECESSARY DUMPINGS TO PORT AUTHORITIES IS PUNISHABLE BY CORRECTIONAL LABOR UP TO ONE YEAR OR A FINE OF UP TO 500 RUBLES. SHIP CAPTAINS CAN ALSO BE FINED UP TO 100 RUBLES FOR NEGLIGENT OR UNTRUTHFUL RECORDING IN SHIP DOCUMENTS OR OPERATIONS INVOLVING SUBSTANCES HARMFUL TO WATERS.

USSR
LR(B)

"SAFEGUARDS FOR BAIKAL." PRAVDA
KHODII, V.
EPA
RUSSIAN 11/20/74 PGS 6 ID# 02338A
WATER

THIS ARTICLE REPORTS THAT THE MINISTRY OF LAND IMPROVEMENT AND WATER MANAGEMENT OF THE USSR HAS APPROVED "PROVISIONAL RULES FOR PROTECTION OF THE WATERS OF LAKE BAIKAL AND ITS NATURAL RESOURCES," INTENDED TO PRESERVE THE ORIGINAL PURE STATE OF THE LAKE. THESE RULES ARE THE RESULT OF AN INTENSIVE STUDY BY THE ALL-UNION SOCIETY "SOYUZVODPROEKT" AND THE STATE INSPECTORATE FOR PROTECTION OF WATER SOURCES, AND ARE TERMED "PROVISIONAL" AS RESEARCH IS STILL BEING CARRIED OUT. THEY PROVIDE GENERAL REGULATIONS FOR DISCHARGES OF WASTES INTO LAKE BAIKAL OR RIVERS EMPTYING INTO THE LAKE, AS WELL AS MEASURES FOR FISH PRESERVATION. THE ARTICLE CITES WATER PROTECTION MEASURES PREVIOUSLY ADOPTED ON THE BASIS OF A RESOLUTION "ON ADDITIONAL MEASURES FOR ENSURING RATIONAL USE AND PRESERVATION OF THE NATURAL WEALTH OF THE BAIKAL BASIN": A NUMBER OF PURIFICATION INSTALLATIONS WERE BUILT AND A SPECIAL WATER PROTECTION ZONE WAS DESIGNATED IN THE LAKE.

EUR
USSR
LR(B)

"IN ORDER THAT WATER WILL BE CLEAN." IZVESTIYA
BELICHENKO, YU
RUSSIAN 10/09/74 PGS 3 EPA ID# 02380A
WATER

THIS ARTICLE DISCUSSES WATER PROTECTION MEASURES TAKEN IN THE USSR IN EXECUTION OF THE "BASES OF WATER LEGISLATION OF THE USSR AND FEDERATED REPUBLICS" AND THE RESOLUTION "ON INTENSIFYING THE PROTECTION OF NATURE AND MAKING BETTER USE OF NATURAL RESOURCES." IN THE FIRST THREE YEARS OF THE CURRENT FIVE-YEAR PLAN, MORE THAN 5,000 PURIFICATION INSTALLATIONS WERE PUT INTO OPERATION, ALTHOUGH MANY INDUSTRIAL ENTERPRISES HAVE NOT YET COMPLETED REQUIRED WASTE TREATMENT FACILITIES. THE ARTICLE ALSO DEALS WITH MEASURES TAKEN TO PREVENT SHIPS' DUMPING OF REFUSE INTO THE VOLGA AND URAL RIVER BASINS, UNDER THE SUPERVISION OF THE MINISTRIES OF FISHING OF THE USSR AND OF THE RIVER FLEET OF THE RSFSR. IN ADDITION, ENFORCEMENT PROCEDURES FOR INDUSTRIAL WATER POLLUTION CONTROL ARE BRIEFLY DISCUSSED, NOTING THAT POLLUTING INDUSTRIES MAY BE PENALIZED BY FINES OR ORDERED TO SUSPEND THEIR PRODUCTION PROCESSES.

USSR
LR(B)

"THE VOLGA WILL BE CLEAN." VODNYI TRANSPORT

RUSSIAN 06/27/74 PGS 1 EPA ID# 02535A
WATER

THIS ARTICLE REPORTS ON A MEETING OF THE PUBLIC INTER-REGIONAL COMMITTEE FOR THE VOLGA RIVER, ATTENDED BY REPRESENTATIVES OF ALL REGIONS AND AUTOMONOUS REPUBLICS ON THE VOLGA, AS WELL AS MEMBERS OF MINISTRIES, DEPARTMENTS, AND SCIENTIFIC ORGANIZATIONS. THE MEETING CONCERNED IMPLEMENTATION BY THE RIVER FLEET OF THE RSFSR AND MILK AND MEAT PRODUCING ENTERPRISES OF THE GOVERNMENT RESOLUTION "ON MEASURES FOR PREVENTING POLLUTION OF THE VOLGA AND URAL RIVER BASINS BY UNPURIFIED SEWAGE." IT WAS NOTED THAT THE WORKERS OF THE RIVER FLEET HAVE TAKEN MANY MEASURES TO PREVENT POLLUTION OF THE VOLGA, WHICH INCLUDE EQUIPPING SHIPS WITH COLLECTORS FOR INDUSTRIAL AND DOMESTIC SEWAGE AND WASTE OIL.

USSR
LR(B)

"DRINKING WATER STANDARD (NO. 2874-73)--A NEW STAGE IN THE DEVELOPMENT OF WATER HYGIENE." VESTNIK AKADEMII MEDITSINSKIKH NAUK SSSR, NO. 3
NOVIKOV, YU V.
RUSSIAN 00/00/75 PGS 59-64 EPA ID# 02663A
ALSO ST
WATER

THIS ARTICLE REPORTS THE ESTABLISHMENT OF A NEW SET OF STANDARDS FOR DRINKING WATER IN THE USSR, ALL-UNION STATE STANDARD NO. 2874-73, WHICH REPLACES STANDARD NO. 2874-54. THE NEW SET OF STANDARDS PROVIDES NORMS FOR 1) BACTERIOLOGICAL FACTORS OF DRINKING WATER; 2) TOXIC SUBSTANCES; AND 3) ORGANOLEPTIC FACTORS. THE BACTERIOLOGICAL STANDARDS REFER TO GENERAL POLLUTION OF DRINKING WATER BY BACTERIA SUCH AS INTESTINAL BACILLUS. MAXIMUM PERMISSIBLE CONCENTRATION LIMITS HAVE BEEN FORMULATED FOR THE TOXIC SUBSTANCES BERYLLIUM, MOLYBDENUM, SELENIUM, STABLE STRONTIUM, NITRATES, POLYACRYLAMIDE FLOCCULANT, SILVER IONS, URANIUM, RADIUM-226, AND STRONTIUM-90. STANDARDS FOR ARSENIC, LEAD AND FLUORINE WERE INCLUDED IN STANDARD NO. 2874-54. IN ADDITION, NORMS HAVE BEEN ESTABLISHED FOR ORGANOLEPTIC PROPERTIES OF DRINKING WATER (ODOR, AFTER-TASTE, COLOR, TURBIDITY), AS WELL AS FOR CHEMICAL SUBSTANCES SUCH AS MANGANESE, USED TO AMELIORATE THESE PROPERTIES.

EUR
USSR
LR(B)

"A NEW STATE STANDARD FOR DRINKING WATER." VOENNO-MEDITSINSKII ZHURNAL
ANAN'EV, V. V. AND V. P. DUDOLADOV EPA
RUSSIAN 07/00/75 PGS 47-49 ID# 02663B
ALSO ST
WATER

THIS ARTICLE REPORTS ON A NEW ALL-UNION STATE STANDARD IN THE USSR FOR WATER USED FOR DRINKING AND ECONOMIC, TECHNICAL AND DOMESTIC PURPOSES (STANDARD NO. 2874-73), EFFECTIVE JANUARY 1, 1975. THREE SETS OF STANDARDS ARE PROVIDED: 1) PERMISSIBLE LIMITS FOR BACTERIA; 2) PERMISSIBLE CONCENTRATION LIMITS FOR CHEMICAL SUBSTANCES FOUND IN NATURAL WATERS, ADDED TO WATER IN TREATMENT PROCESSES, OR RESULTING FROM INDUSTRIAL AND AGRICULTURAL POLLUTION OF WATER SOURCES; AND 3) STANDARDS FOR ORGANOLEPTIC PROPERTIES OF WATER (AFTER-TASTE, COLOR, TURBIDITY, ODOR, PH) AND CONCENTRATION LIMITS FOR CHEMICAL SUBSTANCES WHICH MIGHT WORSEN THE STATE OF ORGANOLEPTIC PROPERTIES. THE STANDARD FURTHER SPECIFIES HOW OFTEN MEASUREMENTS OF HARMFUL SUBSTANCES IN WATER ARE TO BE TAKEN AND PROVIDES INSTRUCTIONS FOR THE EFFECTIVE TREATMENT OF WATER BY SPECIAL METHODS.

USSR
LR(B)

"HYGIENIC ASSESSMENT OF CERTAIN SURFACE-ACTIVE SUBSTANCES - THE COMPONENTS OF EFFLUENTS FROM TEXTILE INDUSTRY ENTERPRISES." GIGIENA I SANITARIYA, NO. 10
KORDYSH, E. A. AND M. M. RATPAN EPA
RUSSIAN 00/00/74 PGS 16-20 ID# 02716A
ALSO ST
WATER TOXIC SUBS

THIS ARTICLE NOTES THE PERMISSIBLE CONCENTRATION LIMITS IN WATER BODIES OF THE USSR FOR THE NONIONOGENIC SURFACE-ACTIVE SUBSTANCES STEAROX-6 AND OC-20 COMPOUND AND FOR THE CATION-ACTIVE COMPLEXES ALKAMON OC-2 AND "A" SMOOTHING COMPOUND. THESE SUBSTANCES ARE WIDELY USED IN THE TEXTILE INDUSTRY AS ANTI-STATIC AGENTS, SOFTENERS AND COLOR EQUALIZERS. THE PERMISSIBLE CONCENTRATION LIMITS OF THESE SUBSTANCES WERE ESTABLISHED ON THE BASIS OF THE AMOUNT OF FOAM FORMED UPON THEIR DISCHARGE INTO WATER BODIES AND ARE AS FOLLOWS: 1) STEAROX-6 - 1 MG/L; 2) ALKAMON OC-2 - 0.5 MG/L; 3) "A" SMOOTHING COMPOUND - 0.3 MG/L; AND 4) OC-20 COMPOUND - 0.1 MG/L.

USSR
LR(B)

"THAT THE VOLGA MAY BE CLEAN." MEDITSINSKAYA GAZETA
EPA
RUSSIAN 04/61/75 PGS 2 ID# 02719A
WATER

THIS ARTICLE NOTES IMPLEMENTATION BY THE SARATOV DISTRICT IN THE USSR OF THE RESOLUTION OF THE CENTRAL COMMITTEE OF THE COMMUNIST PARTY AND THE COUNCIL OF MINISTERS OF THE USSR ON MEASURES TO PREVENT POLLUTION BY UNPURIFIED SEWAGE OF THE VOLGA AND URAL RIVER BASINS. IN THE THREE YEARS SINCE THE PASSAGE OF THIS RESOLUTION, 25 LARGE PURIFICATION INSTALLATIONS HAVE BEEN CONSTRUCTED IN THE SARATOV DISTRICT, PROCESSING MORE THAN 200,000 CUBIC METERS OF WATER DAILY.

EUR
USSR
LR(B)

"AFTER TWO YEARS." MEDITSINSKAYA GAZETA
SNEGIREV, V.
RUSSIAN
WATER
EPA
08/01/75 PGS 2
ID# 02910A

THIS ARTICLE REPORTS IMPLEMENTATION BY THE KUYBYSHEV DISTRICT OF THE USSR OF THE DECREE ISSUED BY THE CENTRAL COMMITTEE OF THE COMMUNIST PARTY AND THE COUNCIL OF MINISTERS "ON MEASURES FOR PREVENTING POLLUTION OF THE VOLGA AND URAL RIVER BASINS FROM UNPURIFIED SEWAGE." THE DECREE CALLED FOR THE BUILDING OF 11 INDUSTRIAL WATER PURIFICATION STATIONS AND 5 MUNICIPAL PURIFICATION STATIONS IN THE DISTRICT, TEN OF WHICH ARE ALREADY IN OPERATION. THERE IS PRESENTLY A TOTAL OF 180 WATER PURIFICATION INSTALLATIONS IN THE KUYBYSHEV DISTRICT, BY WHICH WASTEWATER FROM ALL THE LARGE INDUSTRIAL CENTERS OF THE AREA IS COMPLETELY OR PARTIALLY PURIFIED. MANY EFFECTIVE MEASURES HAVE ALSO BEEN TAKEN TO REDUCE OIL POLLUTION OF THE VOLGA BY OIL TANKERS FROM THE CITY OF KUYBYSHEV. THE ENFORCEMENT OF WATER PROTECTION MEASURES IN THE DISTRICT IS CARRIED OUT BY THE DISTRICT COMMITTEE OF THE COMMUNIST PARTY AND THE REGIONAL EXECUTIVE COMMITTEE, WHICH MAY ALSO ISSUE ADDITIONAL RELATED DECREES.

USSR
LR(B)

"ISSUANCE OF NEW REGULATIONS FOR PROTECTION OF SURFACE WATERS FROM POLLUTION BY SEWAGE (1974)." GIGIENA I SANITARIYA, NO. 1
CHERKINSKII, S. N.
RUSSIAN
WATER
EPA
00/00/75 PGS 7-13
ID# 02976A

THIS ARTICLE DISCUSSES NEW REGULATIONS FOR PROTECTION OF SURFACE WATERS FROM POLLUTION BY SEWAGE, ISSUED IN THE USSR IN 1974. THESE REGULATIONS EMBODY A BROADENING AND CLARIFICATION OF A SET OF REGULATIONS ISSUED IN 1961, AND INCLUDE: 1) PROHIBITION OF DISCHARGE INTO WATER BODIES OF UNPURIFIED SEWAGE FROM SHIPS AND INDUSTRIAL SEWAGE WHICH COULD BE ELIMINATED DURING THE PRODUCTION PROCESS; 2) PROHIBITION OF DISCHARGE INTO WATER BODIES OF SEWAGE CONTAINING SUBSTANCES FOR WHICH PERMISSIBLE CONCENTRATION LIMITS HAVE NOT BEEN ESTABLISHED; AND 3) PROHIBITION OF DISCHARGE OF SEWAGE INTO WATERCOURSES WITHOUT PERMISSION FROM APPROPRIATE AUTHORITIES. THE 1974 REGULATIONS EXPAND THE 1961 LIST OF TYPES OF SEWAGE APPLICABLE TO CONTROLS AND PROVIDE STANDARDS FOR MORE THAN 400 SUBSTANCES FOUND IN INDUSTRIAL WASTES. FISH PROTECTION INSTRUCTIONS HAVE ALSO BEEN EXPANDED IN THE 1974 REGULATIONS.

EUR
USSR
LR(B)

"BASIS FOR MAXIMAL PERMISSIBLE CONCENTRATIONS OF TRIETHANOLAMINE, AMMONIUM AND CALCIUM SALTS OF ALKYLBENZOLSULFATES IN WATER BODIES." GIGIENA I SANITARIYA, NO. 3
KORDONETS, V. YA.
EPA
RUSSIAN 00/00/75 PGS 22-25 ID# 02980A
ALSO ST
WATER

THIS ARTICLE CONCERNS THE ESTABLISHMENT IN THE USSR OF PERMISSIBLE CONCENTRATION LIMITS IN WATER BODIES FOR TRIETHANOLAMINE, AMMONIUM AND CALCIUM SALTS OF ALKYLBENZOLSULFONIC ACIDS. TRIETHANOLAMINE AND AMMONIUM SALTS ARE FOUND IN DETERGENTS, AND CALCIUM SALTS ARE USED AS EMULSIFIERS. THE ARTICLE DESCRIBES STUDIES CONDUCTED ON THE INFLUENCE OF THESE SUBSTANCES ON THE ORGANOLEPTIC PROPERTIES OF WATERCOURSES, SUCH AS ODOR AND AFTER-TASTE. IT WAS ESTABLISHED THAT THE DETERMINING FACTOR OF HARMFUL ACTION OF THESE SUBSTANCES ON WATERCOURSES IS THE FORMATION OF FOAM. THE PERMISSIBLE CONCENTRATION LIMITS RECOMMENDED ON THE BASIS OF THESE STUDIES ARE AS FOLLOWS: 1) TRIETHANOLAMINE SALTS - 1 MG/L; 2) AMMONIUM SALTS - 0.8 MG/L; AND 3) CALCIUM SALTS - 0.2 MG/L.

USSR
PM(B)

ELEKTRICHESKAYA IZOLYATSIYA V RAYONAKH S ZAGRYAZNENNOY ATMOSFEROY (ELECTRICAL INSULATION IN AREAS WITH AIR POLLUTION)
VOSKRESENSKIY, V. F.
EPA
RUSSIAN 00/00/71 PGS 78 ID# 00144A
AIR

THE CHARACTERISTICS AND MECHANISM OF POLLUTION ARE GIVEN AS WELL AS DATA ON SELECTED SAMPLES OF POLLUTED AIR AND EXAMPLES OF INSULATORS FOR POLLUTED REGIONS. THERE ARE RECOMMENDATIONS FOR SELECTING INSULATION ACCORDING TO THE CONDITIONS OF THE ATMOSPHERE.

USSR
PM(B)

"ACCURACY IN PREDICTING AIR POLLUTION AND CONTEMPORARY HYGIENIC STANDARDS FOR CALCULATING SPREAD OF EMISSIONS AT THERMAL-ELECTRIC STATIONS." GIGIYENA I SANITARIYA
GIL'DENSKIOL'D, R.S., B.V. RIKHTER AND V.P. LEVKIN
EPA
RUSSIAN 11/00/72 PGS 14-18 ID# 01554A
ALSO ST
AIR

THE AUTHORS DESCRIBE A METHOD OF STUDYING DYNAMICS OF AIR POLLUTION IN VARIOUS ZONES AROUND THERMAL-ELECTRIC STATIONS AND PRESENT MATERIAL ON THEIR EVALUATION OF POLLUTION FROM A LARGE STATION IN THE CENTRAL EUROPEAN PART OF THE USSR. THEY FOUND THAT ACTUAL LEVELS OF POLLUTION CORRESPONDED SUFFICIENTLY TO ESTIMATED LEVELS. INDIVIDUAL LEVELS OF SULFUR GAS, ASH AND NITROGEN OXIDES DID NOT EXCEED MAXIMUM ALLOWABLE CONCENTRATIONS ESTABLISHED BY THE USSR MINISTRY OF HEALTH. HOWEVER, COMBINED CONCENTRATIONS OF SULFUR GAS AND NITROGEN OXIDES WERE OFTEN MEASURED WELL ABOVE MAXIMUM ALLOWABLE LEVELS FOR HARMFUL SUBSTANCES PRESENT IN COMBINATION. THE AUTHORS STRESS THE NEED TO CONSIDER IN THE PLANNING AND DESIGN OF THERMAL-ELECTRIC STATIONS THE SUMMATION EFFECT OF POLLUTANTS EMITTED IN COMBINATION INTO THE ATMOSPHERE.

EUR
USSR
PM(B)

"MEASURES AND RESULTS OF A FORTY-YEAR FIGHT AGAINST AIR POLLUTION IN WESTERN URAL CITIES." GIGIYENA I SANITARIYA
RYKHTER, E.V.
RUSSIAN 01/00/73 PGS 61-62 EPA ID# 01557A
AIR

THE AUTHOR REVIEWS MEASURES FOR CONTROL OF AIR POLLUTION IN THE WESTERN URAL REGION AROUND PERM' DURING THE LAST FORTY YEARS. EARLY EFFORTS INCLUDED CONVERSION OF INDUSTRIES FROM BURNING COAL TO LIQUID FUELS AND CONSTRUCTION OF TALLER SMOKESTACKS. A COMMITTEE OF SPECIALISTS DREW UP PLANS FOR REDUCING AIR POLLUTION IN THE AREA DURING THE 1961-1971 PERIOD. ON THE BASIS OF THESE PLANS, CONCRETE ORGANIZATIONAL AND TECHNOLOGICAL MEASURES FOR REDUCING AIR POLLUTION WERE RECOMMENDED FOR EVERY INDUSTRIAL ENTERPRISE IN THE REGION. SUCH MEASURES INCLUDE CONVERSION TO CENTRAL HEATING PLANTS FOR HOMES AND INDUSTRY, CONVERSION TO LIQUID FUELS OR NATURAL GAS, INSTALLATION OF GAS PURIFICATION DEVICES AND DUST FILTERS, AND CONSTRUCTION OF TALLER SMOKESTACKS. AS A RESULT OF THESE MEASURES, LEVELS OF SULFUR GASES AND DUST IN THE AIR HAVE BEEN GREATLY REDUCED AND CONCENTRATIONS OF CHLORINE GAS, HYDROGEN CHLORIDE AND SULFURIC ACID AROUND CHEMICAL PLANTS HAVE BEEN LOWERED.

USSR
PM(B)

"ON THE SANITARY CHARACTERISTICS OF THE AIR IN THE ZAKARPAT'YE OBLAST."
GIGIYENA I SANITARIYA
GRISCHENKO, N.F. AND OTHERS
RUSSIAN 02/00/73 PGS 86-87 EPA ID# 01558A
AIR

THE AUTHORS STUDIED LEVELS OF AIR POLLUTION IN THE ZAKARPAT'YE OBLAST, AN IMPORTANT HEALTH RESORT REGION, IN RELATION TO THE DISTRIBUTION OF INDUSTRY, TRANSPORT ROUTES AND POPULATION CENTERS. ON THE BASIS OF THEIR STUDY, MEASURES HAVE BEEN ADOPTED FOR PREVENTION OF AIR POLLUTION. THE PRINCIPAL EFFORT IS DIRECTED TOWARD CONVERSION TO NATURAL GAS FOR HEATING IN CITIES, TOWNS AND AT CERTAIN INDUSTRIAL SITES. PLANS ARE ALSO BEING DEVELOPED TO ESTABLISH ZONING REGULATIONS IN CITIES AND TOWNS IN ORDER TO ROUTE TRAFFIC AROUND RESIDENTIAL AREAS.

USSR
PM(B)

"ON THE PROBLEM OF PROTECTION AN ATMOSPHERIC BASIN FROM INDUSTRIAL POLLUTION."
PROMYSHLENNOYE STROITEL'STVO
ZHDANOVICH, YU. V.
RUSSIAN 12/00/72 PGS 29-32 EPA ID# 01559A
AIR

THIS ARTICLE DEALS PRIMARILY WITH THE ESTABLISHMENT OF SANITARY PROTECTIVE ZONES AROUND POLLUTING INDUSTRIES, ALONG TRANSPORTATION ROUTES AND IN CITIES. WITHIN SUCH ZONES, ONLY NON-RESIDENTIAL BUILDINGS MAY BE CONSTRUCTED. SOURCES OF POLLUTION ARE RESTRICTED AND GREEN AREAS OF SHRUBS AND TREES ARE ESTABLSIHED IN SUCH A MANNER AS TO IMPROVE DISPERSION OF AIR POLLUTION SO THAT CONCENTRATIONS IN POPULATED AREAS DO NOT EXCEED HEALTH STANDARDS. TECHNICAL MATERIAL IS PRESENTED ON PRINCIPLES IN PLANNING OF SUCH PROTECTIVE ZONES. THE AUTHOR POINTS OUT THAT SANITARY PROTECTIVE ZONES CAN BE EFFECTIVE ONLY IF THE GENERAL LEVEL OF POLLUTION IS LIMITED. HE STRESSES THE NEED TO LIMIT THE QUANTITY OF POLLUTANTS ENTERING THE ATMOSPHERE BY ESTABLISHING STANDARDS OF MAXIMUM PERMISSIBLE DISCHARGE OF POLLUTANTS, IMPROVING TECHNOLOGICAL PROCESSES, AND INCREASING THE USE OF PURIFICATION APPARATUS.

EUR
USSR
PM(B)

"HYGIENIC EVALUATION OF STANDARDS FOR LIMITING DISCHARGES FROM INDUSTRIAL ENTERPRISES INTO THE ATMOSPHERE." GIGIYENA I SANITARIYA
GIL'DENSKIOL'D. R.S., M.I. GUSEV AND F.I. DUBROVSKAYA EPA
RUSSIAN 10/00/72 PGS 76-79 ID# 01560A
ALSO LRB
AIR

THE AUTHORS NOTE THAT THE PRINCIPAL GUIDELINES FOR EVALUATING EFFECTIVENESS OF AIR POLLUTION CONTROL MEASURES ARE THE STANDARDS OF MAXIMUM PERMISSIBLE CONCENTRATIONS OF HARMFUL SUBSTANCES IN THE AIR. THEY RECOMMEND THAT ADDITIONAL STANDARDS ON ACCEPTABLE LEVELS OF WASTE EMISSIONS AFTER PURIFICATION BE ESTABLISHED TO AID IN PLANNING AIR POLLUTION CONTROL MEASURES AT INDUSTRIAL DEVELOPMENTS AND PROVIDING ADEQUATE SANITARY PROTECTIVE ZONES AROUND SUCH INDUSTRIES. SUCH STANDARDS ON MAXIMUM PERMISSIBLE DISCHARGE OF POLLUTANTS ARE CURRENTLY BEING STUDIED AT THE CENTRAL RESEARCH AND EXPERIMENTAL DESIGN INSTITUTE FOR INDUSTRIAL BUILDINGS AND APPARATUS. THE AUTHORS FEEL THAT THESE STANDARDS SHOULD NOT BE CONSIDERED AS ABSOLUTE REQUIREMENTS BECAUSE THEY WOULD REQUIRE ADJUSTMENT ACCORDING TO LOCAL CLIMATIC CONDITIONS AND REGIONAL PROBLEMS OF INDUSTRIAL CONCENTRATION. BUT THAT THEY WOULD STILL BE OF GREATER VALUE IN DESIGING NON-POLLUTING INDUSTRIAL APPARATUS AND PLANNING PROTECTIVE MEASURES AGAINST THE HAZARDS OF INDUSTRIAL DEVELOPMENT.

USSR
PM(B)

CHELOVEK I ATMOSFERA (MAN AND THE ATMOSPHERE)
MURAV'EVA, K. A. EPA
RUSSIAN 00/00/74 PGS 1-47 ID# 02715A
ALSO LRB
AIR

THIS BOOKLET DISCUSSES SEVERAL PHASES OF AIR POLLUTION AND ITS CONTROL IN THE USSR. THE CHAPTER ENTITLED "AIR PROTECTION MEASURES" SUGGESTS STEPS TO BE TAKEN TO PREVENT AIR POLLUTION, SUCH AS PURIFICATION OF INDUSTRIAL AND AUTOMOTIVE EMISSIONS, AN ACCOUNTING OF METEOROLOGICAL FACTORS IN THE PLACEMENT OF NEW INDUSTRIES, AND STRICT POLLUTION CONTROL REGULATIONS WITH PENALTIES FOR VIOLATIONS. AN OUTLINE OF SOVIET AIR POLLUTION CONTROL LEGISLATION IS PROVIDED IN THE CHAPTER ENTITLED "FIGHT AGAINST AIR POLLUTION IN THE USSR." THIS CHAPTER ALSO DISCUSSES AIR POLLUTION MONITORING PROGRAMS IN LARGE CITIES AND INDUSTRIAL AREAS AND NOTES OTHER CURRENT AIR POLLUTION CONTROL MEASURES. OTHER CHAPTERS IN THE BOOK DEAL WITH THE EFFECTS OF AIR POLLUTION ON HUMAN HEALTH, THE EXTENT OF AIR POLLUTION IN VARIOUS COUNTRIES, AND INTERNATIONAL COOPERATION RELATIVE TO THE CONTROL OF ENVIRONMENTAL POLLUTION.

EUR
USSR
PM(B)

"PERSPECTIVES OF PROTECTION OF THE ENVIRONMENT FROM POLLUTION BY HEAVY METALLURGY ENTERPRISES." PERSPECTIVES OF TRANSFORMATION OF THE MUNICIPAL ENVIRONMENT
ANDON'EV, S.M., V.S. GUR'EV AND M.L. KUTSYSHIN EPA
RUSSIAN 00/00/73 PGS 297-309 ID# 02758A
ALSO ST
AIR WATER

THIS ARTICLE DEALS WITH AIR AND WATER PROTECTION MEASURES UNDERTAKEN BY THE HEAVY METALLURGY INDUSTRY IN THE USSR. THE ALL-UNION SCIENTIFIC RESEARCH AND PLANNING INSTITUTE "CHERMETENERGOOCHISTKA" HAS WORKED OUT PLANS FOR PURIFYING EFFLUENTS DISCHARGED INTO WATER BODIES BY HEAVY METALLURGY ENTERPRISES AND HAS DETERMINED THE COST OF SUCH MEASURES. THE INSTITUTE HAS ALSO FORMULATED A COMPLEX PROGRAM OF DEPOLLUTION OF AIR AROUND HEAVY METALLURGY ENTERPRISES, WHICH FORESEES COMPLETE DEPOLLUTION BY 2000 BY MEANS OF GAS-PURIFYING INSTALLATIONS AND NON-POLLUTING TECHNOLOGICAL PROCESSES WHICH WOULD REDUCE TOXIC EMISSIONS. METHODS OF AIR AND WATER PURIFICATION ARE DESCRIBED IN DETAIL. THE ARTICLE FURTHER STATES THAT THE MINISTRY OF HEAVY METALLURGY REQUIRES ENTERPRISES AND PLANNING INSTITUTES TO WORK OUT LONG-TERM PROGRAMS FOR DEPOLLUTION OF AIR AND WATER AND PROHIBITS THE PUTTING INTO OPERATION OF INDUSTRIAL INSTALLATIONS WITHOUT EFFECTIVE AIR AND WATER PURIFICATION FACILITIES.

USSR
PM(A)

CONTROL OF AIR POLLUTION IN THE USSR (WHO PUBLIC HEALTH PAPER, NO. 54)
IZMEROV, NIKOLAI F. LOC TD 883 .7 .R9 I45
ENGLISH 00/00/73 PGS 1-157 ID# 03373A
ALSO LRB, PMB, SE, AND ST
AIR

THIS BOOK DESCRIBES THE SOVIET UNION'S EXPERIENCE WITH AIR POLLUTION AND ITS CONTROL AND DISCUSSES THE COOPERATION AMONG THE MEMBER COUNTRIES OF THE COUNCIL FOR MUTUAL ECONOMIC ASSISTANCE (CEMA) IN ENSURING CLEAN AIR PROTECTION. IN CHAPTER ONE A HISTORICAL REVIEW OF AIR POLLUTION IN THE USSR IS GIVEN AND THE CURRENT STATUS OF AIR POLLUTION IS EXPLAINED, INCLUDING A DISCUSSION OF THE PERTINENT LAWS, POLICY AND RELATED MEASURES TAKEN BY THE GOVERNMENT IN CONTROLLING AIR POLLUTION. CHAPTER TWO DELINEATES THE PRINCIPLES UNDERLYING THE ESTABLISHMENT OF AIR QUALITY STANDARDS, CHAPTER THREE DISCUSSES SOURCES OF AIR POLLUTION AND TECHNOLOGICAL MEASURES FOR THEIR CONTROL, CHAPTER FOUR SETS FORTH THE ORGANIZATIONAL STRUCTURE FOR AIR POLLUTION CONTROL, AND CHAPTER FIVE DESCRIBES THE RELATED INTERNATIONAL ACTIVITIES WITHIN CEMA. THE BOOK CONTAINS AN EXTENSIVE BIBLIOGRAPHY AND IS AMPLY ILLUSTRATED BY SEVERAL TABLES AND CHARTS APPEARING THROUGHOUT THE TEXT AND IN ANNEXES.

EUR
USSR
PM(A)

OKHRANA PRIRODY (PROTECTION OF NATURE)
PELEVIN, V. I.
RUSSIAN
GENERAL

EPA
00/00/71 PGS 116 ID# 00174A

THE BOOK CONTAINS 12 ARTICLES ON PROTECTION OF PLANTS, ANIMALS, AND LAND IN VARIOUS REGIONS OF THE USSR. FIRE PREVENTION, REGIONAL PLANNING, AND GROUPS ACTIVE IN CONSERVATION.
A

USSR
PM(A)

COUNCIL OF PROTECTION OF THE ENVIRONMENT ESTABLISHED. FBIS DAILY BROADCAST.
SOVIET UNION.
ENGLISH
ALSO SE
GENERAL WATER AIR

EPA
01/22/73 PGS ID# 00778A

A SCIENTIFIC AND TECHNICAL COUNCIL ON THE PROBLEMS OF ENVIRONMENTAL PROTECTION AND THE RATIONAL USE OF THE NATURAL RESOURCES HAS BEEN SET UP IN THE SOVIET UNION UNDER THE COMMITTEE FOR SCIENCE AND TECHNOLOGY. THE COUNCIL IS TO DRAW UP NATIONAL PLANS, COORDINATE THE WORK OF RESEARCH INSTITUTIONS, AND TO FINANCE AND SUPERVISE PROGRAM IMPLEMENTATION. STEPS ARE BEING TAKEN TO PREVENT THE POLLUTION OF SOME OF THE MAJOR BODIES OF WATER. CONSIDERABLE FUNDS HAVE BEEN ALLOCATED FOR THE CONSTRUCTION OF WASTEWATER TREATMENT UNITS.

USSR
PM(A)

"THE 'TECHNIFICATION' OF THE ENVIRONMENT AND HUMAN HEALTH." VOPROSY FILOSOFII
TSAREGORODTSEV, G.I.
RUSSIAN
ALSO SE
GENERAL AIR

EPA
10/00/72 PGS 59-70 ID# 01547A

THIS ARTICLE EMPHASIZES THE IMPACT OF CHANGES IN THE ENVIRONMENT DUE TO TECHNOLOGICAL PROGRESS ON SOCIAL HYGIENE AND THE HEALTH OF THE POPULATION. THE AUTHOR NOTES THAT THE GROWING RATE OF CHANGE THREATENS THE NATURAL EQUILIBRIUM AND THAT MISTAKES IN PLANNING CAN HAVE AN IRREVERSIBLE IMPACT ON THE ENVIRONMENT WITH A CONCOMITANT NEGATIVE EFFECT ON HUMAN HEALTH. THE BIOSPHERE FOR MODERN MAN HAS BECOME A "TECHNOSPHERE." BUT IN REORDERING THE ENVIRONMENT, HE WARNS, MAN HAS NOT FREED HIMSELF FROM NATURAL LAWS. THE TASK IS NOT ONLY TO RECOGNIZE UNDESIRABLE EFFECTS ON THE ENVIRONMENT CAUSED BY TECHNOLOGICAL DEVELOPMENT, BUT ALSO TO FORESEE THEM AND TAKE NECESSARY PRECAUTIONS TO PREVENT THEM. HE REFERS TO AIR POLLUTION PROBLEMS IN JAPAN, NEW YORK AND LOS ANGELES AS EXAMPLES OF THE NEGATIVE IMPACT OF INDUSTRIALIZATION ON HUMAN HEALTH.

EUR
USSR
PM(A)

"PROBLEMS OF INTERACTION OF MAN WITH THE NATURAL ENVIRONMENT." VOPROSY FILOSOFII.
FEDOROV, YE.K. AND I.B. NOVIK
RUSSIAN 12/00/72 PGS 46-58 EPA ID# 01548A
ALSO SE
GENERAL

THIS ARTICLE TREATS THE MARXIST PHILOSOPHICAL APPROACH TO PROBLEMS OF INTERACTION BETWEEN MAN AND THE ENVIRONMENT. THE AUTHORS REJECT THE PESSIMISTIC VIEW OF CERTAIN WESTERN ENVIRONMENTALISTS THAT THE WORLD'S GROWING POPULATION FACES AN EXHAUSTION OF NATURAL RESOURCES AND INCREASING POLLUTION. THEY FEEL THAT POPULATION GROWTH CAN BE REGULATED, THAT NEW MEANS OF EXPLOITING NATURAL RESOURCES WILL BE FOUND, AND THAT POLLUTION IS NOT A NECESSARY PRODUCT OF ECONOMIC GROWTH. TO MEET THE ENVIRONMENTAL CRISIS, THE AUTHORS BELIEVE THAT BROAD INTERNATIONAL COOPERATION IS NECESSARY TO OPTIMIZE INTERACTION BETWEEN SOCIETY AND THE ENVIRONMENT. THEY POINT TO RECENT ENVIRONMENTAL AGREEMENTS WITH THE UNITED STATES AND OTHER WESTERN AND SOCIALIST COUNTRIES AS AN ATTEMPT TO ANSWER THIS NEED. THEY BELIEVE THAT MAN IS CAPABLE OF AND WILL EVENTUALLY HAVE TO SYSTEMATICALLY ALTER THE BIOSPHERE SO AS TO MEET GROWING HUMAN NEEDS. WITH DEEPER UNDERSTANDING OF NATURAL LAWS, MAN CAN REORGANIZE NATURE TO CREATE HARMONIOUS INTERACTION WITH SOCIETY.

USSR
PM(A)

"ON MEASURES FOR FURTHER IMPROVEMENT OF NATURAL CONSERVATION AND RATIONAL USE OF NATURAL RESOURCES." BIOLOGIYA V SHKOLE
KIRILLIN, V.A.
RUSSIAN 12/00/72 PGS 11-21 EPA ID# 01549A
ALSO LRB
GENERAL AIR PESTICIDES NOISE WATER

THIS IS A SHORTENED VERSION OF A SPEECH GIVEN BY THE AUTHOR, DEPUTY CHAIRMAN OF THE USSR COUNCIL OF MINISTERS, AT A SESSION OF THE USSR SUPREME SOVIET ON SEPTEMBER 19, 1972. VARIOUS ENVIRONMENTAL PROBLEMS IN THE SOVIET UNION ARE DISCUSSED, INCLUDING ATMOSPHERIC POLLUTION CAUSED PRIMARILY BY THERMAL ELECTRIC PLANTS, THE AUTOMOTIVE TRANSPORT INDUSTRY AND HOUSEHOLD HEATING; WATER POLLUTION CAUSED BY UNTREATED INDUSTRIAL AND CITY SEWAGE, AND RUNOFF FROM FARMLAND TREATED WITH CHEMICAL FERTILIZERS, PESTICIDES AND HERBICIDES; AND NOISE POLLUTION CAUSED BY LOCATION OF INDUSTRY TOO CLOSE TO POPULATION CENTERS AND GROWTH IN ROAD AND AIR TRANSPORTATION. CERTAIN LAWS AND MANAGEMENT POLICIES CONCERNING ENVIRONMENTAL PROTECTION ARE DISCUSSED. THE AUTHOR EMPHASIZES THAT CURRENT MEASURES FOR POLLUTION CONTROL IN THE USSR HAVE NOT BEEN EFFECTIVE ENOUGH, THAT PROGRESS IN IMPLEMENTATION OF NON-POLLUTING TECHNOLOGICAL PROCESSES AND PURIFICATION SYSTEMS HAS BEEN SLOW, AND THAT SOME MINISTRIES HAVE BEEN INATTENTIVE TO POLLUTION PROBLEMS.

EUR
USSR
PM(A)

PECE O ZIVOTNI PROSTREDI VE SVAZU SOVETSKYCH SOCIALISTICKYCH REPUBLIK (CARE OF THE ENVIRONMENT IN THE USSR).
CZECHOSLOVAKIA ENVIRONMENTAL COUNCIL EPA
CZECH 02/00/72 PGS 30-56 ID# 02146A
ALSO LRB AND SE
GENERAL

CHAPTERS IV THROUGH VIII OF THIS BOOK DEAL WITH VARIOUS ASPECTS OF ENVIRONMENTAL PROTECTION IN THE USSR. PRINCIPAL ENVIRONMENTAL LAWS AND THEIR OBJECTIVES ARE DISCUSSED IN CHAPTER IV, ALONG WITH PLANNING AND FINANCING OF ENVIRONMENTAL PROGRAMS. CHAPTERS V AND VI DEAL WITH ENVIRONMENTAL RESEARCH IN FIELDS SUCH AS INDUSTRY AND LAND MANAGEMENT, AS WELL AS EDUCATION AND INFORMATION IN THE ENVIRONMENTAL AREA. INDUSTRIAL AND MUNICIPAL CONSTRUCTION IN REGARD TO ENVIRONMENTAL PROTECTION IS THE TOPIC OF CHAPTER VII. FINALLY, CHAPTER VIII BRIEFLY DISCUSSES CONTROL OF WATER, AIR, NOISE, AND WASTE POLLUTION AND PROTECTION OF SOIL, FORESTS, AND COUNTRYSIDE.

USSR
PM(B)

URSACHEN DER UMWELTBELASTUNG UND UMWELTSCHUTZMASSNAHMEN IN DER UDSSR (CAUSES OF ENVIRONMENTAL POLLUTION AND ENVIRONMENTAL PROTECTION MEASURES IN THE USSR)
HOEHMANN, HANS-HERMANN AND GERTRAUD SEIDENSTECHER LOC HX 15 .G468 1973
GERMAN 08/00/73 PGS 1-58 ID# 02489A
ALSO SE AND LRB
GENERAL

THIS STUDY DIVIDES ITS DISCUSSION OF THE ENVIRONMENTAL SITUATION IN THE USSR INTO TWO MAJOR SECTIONS, ONE DEALING WITH CAUSES OF ENVIRONMENTAL POLLUTION, AND THE OTHER WITH MEASURES TO COMBAT IT. EXISTING POLLUTION CAN BE EXPLAINED IN TERMS OF ELEMENTS OF INFORMATION AND SCIENCE, IDEOLOGY AND THEORY, PLANNING AND ADMINISTRATIVE ORGANIZATION, AND LEGAL STANDARDIZATION AND JURISPRUDENCE. OTHER CONTRIBUTING FACTORS ARE THE TOTAL SYSTEM OF ECONOMIC GOAL-SETTING AND ALLOCATION OF CAPITAL TO ENVIRONMENTAL ENDS AND THE PRESENT CONSTELLATION OF COMMERCIAL INTERESTS. ANTI-POLLUTION MEASURES THUS FAR INTRODUCED INCLUDE EFFORTS IN THE AREAS OF MORAL PERSUASION, SCIENTIFIC DEVELOPMENT, PLANNING AND ADMINISTRATIVE ORGANIZATION, LEGISLATION AND JURISPRUDENCE, ECONOMIC MEANS TO INFLUENCE INDUSTRIAL ACTIVITY, INVESTMENT FOR ENVIRONMENTAL PURPOSES, AND THE BEGINNINGS OF AN ENVIRONMENTALLY ORIENTED STRUCTURAL POLICY. A BRIEF SUMMARY REVIEWS MAJOR TRENDS FOUND IN THE STUDY.

EUR
USSR
PM(B)

"BASIC SUCCESSES IN THE REALM OF ENVIRONMENTAL PROTECTION IN THE UZBEK SSR."
MEDITSINSKII ZHURNAL UZBEKISTANA
ZAKHIDOV, A. Z., SH. T. ATABAEV AND I. I. IL'INSKII EPA
RUSSIAN 10/00/74 PGS 12-15 ID# 02503A
ALSO LRB AND PMA
GENERAL

THIS ARTICLE DEALS WITH GENERAL ENVIRONMENTAL PROTECTION MEASURES UNDERTAKEN BY THE UZBEK SOVIET SOCIALIST REPUBLIC. SUPPLEMENTING NATIONAL ENVIRONMENTAL LEGISLATION, THE UZBEK SSR HAS ISSUED THE LAW ON PROTECTION OF NATURE, THE LAW ON HEALTH PROTECTION, AND FUNDAMENTALS OF WATER AND LAND LEGISLATION. MANY MINISTRIES AND DEPARTMENTS IN THE UZBEK SSR, SUCH AS THE MINISTRY OF HEALTH, ARE RESPONSIBLE FOR THE ENFORCEMENT OF LAWS AND REGULATIONS. THESE OFFICIAL ORGANS ALSO SURVEY THE LEVEL OF VARIOUS TYPES OF POLLUTION AND PENALIZE VIOLATORS OF REGULATIONS. IN 1973, ABOUT 22,000 VIOLATORS WERE SUBJECTED TO FINES. A GENERAL PLAN FOR THE USE AND PROTECTION OF WATER RESOURCES WAS FORMULATED IN 1967 TO BE EFFECTIVE FROM 1970 TO 2000. MUCH RESEARCH IS BEING CONDUCTED AT SEVERAL SCIENTIFIC INSTITUTES WITH REGARD TO ALL TYPES OF MUNICIPAL POLLUTION CONTROL.

USSR
PM(A)

"THE PROTECTION AND PRESERVATION OF NATURE IN THE TURKMEN SOVIET SOCIALIST REPUBLIC." IZVESTIYA AKADEMII NAUK TURKMENSKOI SSR; SERIYA BIOLOGICHESKIKH NAUK, NO. 4
KLYUSHKIN, E. A. EPA
RUSSIAN 00/00/74 PGS 40-45 ID# 02512A
ALSO LRB
GENERAL

THIS ARTICLE DEALS WITH ENVIRONMENTAL PROTECTION MEASURES AND OFFICIAL ORGANS RESPONSIBLE FOR ENVIRONMENTAL PROTECTION IN THE TURKMEN SOVIET SOCIALIST REPUBLIC (TSSR). IN ADDITION TO NATIONAL ENVIRONMENTAL PROGRAMS, THE TSSR HAS ISSUED LEGISLATION SUCH AS THE LAW ON THE PROTECTION OF NATURE IN THE TSSR (1963) AND THE RESOLUTION ON STRENGTHENING THE PROTECTION OF NATURE AND IMPROVEMENT OF UTILIZATION OF NATURAL RESOURCES. IN 1932, AN INTERDEPARTMENTAL COMMITTEE FOR THE PROTECTION OF NATURE AND THE DEVELOPMENT OF NATURAL RESOURCES WAS SET UP. IN 1955, THE ACADEMY OF SCIENCE OF THE TSSR ESTABLISHED A COMMITTEE FOR THE PROTECTION OF NATURE TO RESEARCH ENVIRONMENTAL PROTECTION AND EFFECTIVE UTILIZATION OF NATURAL RESOURCES. THIS ORGANIZATION ALSO SET UP A LABORATORY FOR NATURE PROTECTION IN 1971. IN ADDITION, THE PERMANENT COMMITTEE ON AGRICULTURE OF THE TSSR EXPANDED ITS RESPONSIBILITIES TO INCLUDE ENVIRONMENTAL PROTECTION IN 1969.

EUR
USSR
PM(B)

"A NOISE MAP FOR THE CITY OF KARAGANDA." GIGIYENA I SANITARIYA
TOKAREV, V.A.
RUSSIAN 12/00/72 PGS 38-42 EPA ID# 01544A
NOISE

THE AUTHOR PRESENTS DATA ON TRAFFIC PATTERNS AND RESULTING NOISE LEVELS IN THE CITY OF KARAGANDA. HE DESCRIBES PRINCIPLES FOR PREPARATION AND ANALYSIS OF NOISE MAPS TO DETERMINE AREAS WITH HIGH NOISE LEVELS AND DEVISE MEASURES FOR REDUCING THEM. HE RECOMMENDS THAT WIDER ROADS WITH BETTER SURFACES BE CONSTRUCTED. WIDE SIDEWALKS LINED WITH ROWS OF TREES AND SHRUBS ALSO HELP REDUCE NOISE CONCENTRATIONS. HE RECOMMENDS THAT BYPASS ROUTES FOR THROUGH TRAFFIC AND TRUCKS BE BUILT AND THAT HOURS DURING WHICH NOISY VEHICLES SUCH AS HEAVY TRUCKS AND MOTORCYCLES MAY USE CERTAIN STREETS BE RESTRICTED.

USSR
PM(B)

"PROGNOSIS FOR REDUCING CITY NOISE." PERSPECTIVES OF TRANSFORMATION OF THE MUNICIPAL ENVIRONMENT
OSIPOV, G. L., ET AL.
RUSSIAN 00/00/73 PGS 368-388 EPA ID# 02767A
ALSO LRB
NOISE

THIS ARTICLE DEALS WITH NOISE POLLUTION PROBLEMS IN CITIES OF THE USSR. DISCUSSED AT LENGTH ARE THE EXCESSIVE NOISE LEVELS IN CITIES AND THEIR SOURCES AND THE HARMFUL EFFECTS OF NOISE POLLUTION ON HUMAN HEALTH. POSSIBLE SOLUTIONS TO NOISE PROBLEMS ARE PRESENTED, INCLUDING WAYS TO REDUCE CITY TRAFFIC. NOISE CONTROL STANDARDS ARE PROVIDED IN THE "DECEMBER 18, 1970 SANITARY NORMS FOR PERMISSIBLE NOISE LEVELS IN RESIDENTIAL AREAS AND PUBLIC BUILDINGS AND NEAR HOUSING CONSTRUCTION," ISSUED BY THE MINISTRY OF HEALTH. ACCORDING TO THESE STANDARDS, THE DESIRABLE NOISE LEVEL IN RESIDENTIAL AREAS WAS DETERMINED TO BE 30-40 DB(A).

USSR
PM(B)

NOISE ABATEMENT
CHUDNOV, V.
ENGLISH 00/00/74 PGS 1-79 EPA ID# 03434A
ALSO SE, LRB AND ST
NOISE

SOCIOECONOMIC AND HEALTH PROBLEMS CAUSED BY NOISE FROM INDUSTRY, URBAN AND RURAL AREAS AND WITHIN THE HOME ARE DISCUSSED IN THIS PUBLICATION. THE TECHNICAL, LEGAL, ADMINISTRATIVE AND PLANNING MEASURES TAKEN TO CONTROL NOISE IN THE USSR ARE CITED. DESPITE NOISE CONTROL LAWS, NEW INNOVATIONS IN NOISE CONTROL TECHNOLOGY AND THE WIDE-RANGING POWERS OF THE STATE SANITATION SERVICES AND LOCAL BODIES, THE AUTHOR CONCLUDES THAT NOISE POLLUTION IS STILL A GROWING AND OFTEN NEGLECTED PROBLEM OF THE HUMAN ENVIRONMENT WHICH INTERFERES WITH WORK PRODUCTION AND SLEEP AND AFFECTS HUMAN HEALTH IN SUBTLE WAYS WHICH MAY HAVE UNPREDICTABLE AND ADVERSE LONG-RANGE CONSEQUENCES.

EUR
USSR
PM(B)

"MIGRATION OF MERCURY CONTAINED IN CERTAIN PESTICIDES IN BIOLOGICAL CYCLES."
GIGIYENA I SANITARIY
KRASYUK, N.N., V.N. ZHULENKO AND R.V. STAVITSKIY EPA
RUSSIAN 11/00/72 PGS 51-54 ID# 01551A
ALSO ST
PESTICIDES

THE AUTHORS STUDIED THE TRANSFER OF MERCURY FROM PESTICIDES CONTAINING ORGANIC MERCURY COMPOUNDS THROUGH THE FOOD CHAIN INTO THE TISSUES OF ANIMALS INTENDED FOR SLAUGHTER. THEY DISCOVERED THAT IN AREAS WHERE ORGANIC MERCURY PESTICIDES WERE USED, GREATER ACCUMULATION OF MERCURY OCCURRED IN ANIMAL TISSUE THAN IN AREAS WHERE SUCH USE WAS RESTRICTED. THEY CONCLUDE THAT USE OF ORGANIC MERCURY PESTICIDES POSES A THREAT TO HUMAN HEALTH, RECOMMENDING THAT LESS TOXIC SUBSTITUTES BE USED. THEY EMPHASIZE THAT IT WILL SOON BE NECESSARY TO BAN THE USE OF ORGANIC MERCURY PESTICIDES ENTIRELY.

USSR
PM(B)

"GUARANTEES OF SAFETY." MEDITSINSKAYA GAZETA
PERELYGIN, V. EPA
RUSSIAN 01/24/75 PGS 2 ID# 02502A
ALSO ST
SOLID WASTE

THIS ARTICLE CONCERNS INDUSTRIAL AND DOMESTIC SOLID WASTE DISPOSAL IN THE USSR, ESPECIALLY IN RELATION TO ITS EFFECTS ON SOIL. DATA IS BEING COLLECTED ON THE QUANTITY AND CHEMICAL COMPOSITION OF INDUSTRIAL WASTES AND ON THE MIGRATION OF THOSE CHEMICAL SUBSTANCES FROM THE SOIL INTO PLANTS, GROUNDWATER AND THE ATMOSPHERE IN ORDER TO DETERMINE THEIR EFFECT ON HUMAN HEALTH. IN ORDER TO REDUCE THE AMOUNTS OF SOLID INDUSTRIAL WASTE, RECYCLING EFFORTS ARE BEING UNDERTAKEN SO THAT ONE FACTORY'S WASTE MAY BE ANOTHER'S RAW MATERIALS. FOR SOLID INDUSTRIAL WASTES WHICH MUST BE DISPOSED OF, PLANS ARE BEING INITIATED WHEREBY ONE AREA OF LAND OUTSIDE CITY LIMITS IS DESIGNATED FOR DISPOSAL OF WASTES FROM MANY ENTERPRISES. METHODS FOR BURIAL OF HIGHLY TOXIC WASTES ARE ALSO BEING FORMULATED. WITH REGARD TO DOMESTIC WASTES, BIOTHERMAL RUBBISH-PROCESSING FACTORIES ARE BEING PLANNED. IN MOSCOW, AN EXPERIMENTAL COMPLEX FOR PNEUMATIC REMOVAL OF DOMESTIC WASTES BY PIPELINE IS UNDER CONSTRUCTION.

EUR
USSR
PM(B)

"PROTECTION AGAINST POLLUTION," MEDITSINSKAYA GAZETA
GRAUBERG, V.
RUSSIAN 01/15/75 PGS 2 EPA ID# 02550A
SOLID WASTE

THIS ARTICLE DEALS WITH SOLID WASTE DISPOSAL IN THE ESTONIAN SOVIET SOCIALIST REPUBLIC. THE METHODS FOR COLLECTION AND DISPOSAL OF DOMESTIC WASTE IN ESTONIA ARE DETERMINED BY MUNICIPAL AND REGIONAL OFFICIALS IN CONJUNCTION WITH SANITATION OFFICIALS. A SYSTEM HAS BEEN ESTABLISHED WHEREBY DOMESTIC WASTE IS REMOVED ALONG CERTAIN CENTRALIZED ROUTES. AT PRESENT, SOLID WASTE IS TAKEN TO DUMPS DESIGNATED BY SANITARY REGULATIONS. HOWEVER, THE K. D. PANFILOV ACADEMY OF MUNICIPAL ECONOMY IS FORMULATING A SET OF INSTRUCTIONS FOR MORE EFFICIENT PLANNING AND UTILIZATION OF DEPOSIT AREAS FOR SOLID DOMESTIC WASTE. ALSO, THE INSTITUTE "ESTPROMPROEKT" IN TALLINN IS WORKING OUT THE TECHNICAL AND ECONOMIC DETAILS FOR CONSTRUCTION OF A SOLID WASTE PROCESSING PLANT.

USSR
PM(B)

SANITARNYYE USLOVIYA SPUSKA STOCHNYKH VOD V VODOYEMY (SANITARY CONDITIONS FOR RELEASING WASTEWATER INTO RESERVOIRS)
CHERKINSKIY, S. N.
RUSSIAN 00/00/71 PGS 208 EPA ID# 00167A
WATER

THE BOOK PRESENTS THE BASIS FOR SANITARY PROTECTION OF RESERVOIRS AND PECULIARITIES OF SOVIET HYDROSANITARY LEGISLATION. THE NEED FOR RELEASING SEWAGE AND INDUSTRIAL WASTE INTO RESERVOIRS IS DISCUSSED AS WELL AS CONDITIONS UNDER WHICH SUCH COULD BE DONE WITHOUT DANGER TO HEALTH. SOME ATTENTION IS PAID TO QUANTITATIVE AND QUALITATIVE CHARACTERISTICS OF WASTE WATER.

USSR
PM(B)

"WHAT THE USSR, ABSENT FROM STOCKHOLM, IS DOING TO COMBAT CONTAMINATION OF NATURE,
BORBA
RADOVIC, D.
SERBO-CROATIAN 06/15/72 PGS 3 EPA ID# 00278A
WATER AIR

THE MAIN PROBLEMS IN THE USSR ARE INDUSTRIAL POLLUTION OF RIVERS & GENERAL CONTAMINATION OF CITIES. IN THE PAST YEARS, BILLIONS OF RUBLES HAVE BEEN SPENT FOR PURIFICATION DEVICES ON THE VOLGA, URAL & KAMA RIVERS. (THE 670 PURIFICATION COMPLEXES IN THE BASINS CAN HANDLE 550 MILLION M3/DAY.) ALL EFFLUENTS INTO THESE RIVERS WILL BE COMPLETELY PURIFIED, INCLUDING THOSE FROM KAMA AUTO PLANT FOR WHICH SUCH EQUIPMENT IS INCLUDED IN THE CONSTRUCTION.

THE PROBLEM OF AIR POLLUTION IN MOSCOW WILL BE GREATLY SOLVED BY THE CONVERSION TO GAS HEAT. IN LENINGRAD, THE PARTICULAR PROBLEM IS POLLUTION OF THE RIVERS & CANALS, BUT EFFLUENT CONTROL HAS THAT LARGERLY CHECKED.

EUR
USSR
PM(B)

"EPIDEMIOLOGICAL ASPECTS OF THE PROBLEM OF SANITARY PRESERVATION OF THE WATER SUPPLY." GIGIYENA I SANITARIYA
NIKITIN, D.P.
EPA
RUSSIAN 12/00/72 PGS 61-63 ID# 01545A
ALSO SE AND ST
WATER

THE AUTHOR NOTES THAT IN RECENT YEARS LARGE SCALE EXPENDITURES HAVE BEEN MADE ON MEASURES FOR PROTECTION OF THE ENVIRONMENT IN GENERAL AND PRESERVATION OF WATER RESOURCES. HOWEVER, THE AMOUNT OF WASTEWATER DUMPED IN THE VOLGA, OKA AND OTHER RIVERS REMAINS GREATER THAN THEIR CAPACITY FOR SELF-PURIFICATION. A NUMBER OF LARGE RIVERS AND WATER RESOURCES REMAIN IN DANGER OF BECOMING UNSUITABLE FOR SUPPLY OF DRINKING WATER AND RECREATIONAL PURPOSES. THOUGH EXPENDITURES DESIGNATED FOR CONSTRUCTION OF WATER PURIFICATION PLANTS IN THE CURRENT FIVE-YEAR PLAN ARE GREATER THAN IN THE LAST, WORK HAS BEEN SLOW AND OFTEN CARELESS. PLANS TO EQUIP RIVER BOATS WITH SEWAGE DISPOSAL SYSTEMS AND TO ELIMINATE DUMPING OF UNTREATED CITY SEWAGE IN THE VOLGA AND KAMA RIVERS BY 1980 ARE DESCRIBED. THE AUTHOR EMPHASIZES THE NEED TO CONSIDER ENVIRONMENTAL IMPACT IN INDUSTRIAL PLANNING AND URGES HYGIENISTS AND SANITATION SCIENTISTS TO PLAY A GREATER ROLE IN ENVIRONMENTAL PROTECTION.

USSR
PM(B)

"ORGANIZATION OF PROCEDURES FOR COLLECTION AND PURIFICATION OF INDUSTRIAL AND DOMESTIC SEWAGE CONTAMINATED BY RADIOACTIVE SUBSTANCES." GIGIYENA I SANITARIYA
BAGRETSOV, V.F. AND OTHERS
EPA
RUSSIAN 12/00/72 PGS 91-93 ID# 01546A
ALSO ST
WATER RADIATION

THE AUTHOR REVIEWS PROCEDURES AT THE LENIN RESEARCH INSTITUTE OF ATOMIC REACTORS FOR DISPOSAL OF WASTEWATER CONTAMINATED BY RADIOACTIVE SUBSTANCES. HE DESCRIBES METHODS FOR CLASSIFICATION OF WASTEWATER ACCORDING TO TYPE OF TREATMENT REQUIRED, PROCEDURES AND APPARATUS USED FOR REMOVAL AND PURIFICATION OF DIFFERENT TYPES OF RADIOACTIVE WASTEWATER, AND MEANS OF SAFE UNDERGROUND DISPOSAL OF WASTEWATER AND RESIDUES WHICH CANNOT BE PURIFIED. RADIOMETRIC MONITORING OF EFFLUENTS INDICATE THAT POLLUTION OF WATER SUPPLY BY RADIOACTIVE WASTEWATER FROM THE INSTITUTE HAS NOT OCCURRED DURING THE PAST TEN YEARS.

EUR
USSR
PM(B)

"EVALUATING ECONOMIC EFFECTIVENESS OF WATER CONSERVATION MEASURES." EKONOMIKA SOVETSKOY UKRAINY
CHERNEGA, L. AND N. KUDENKO
RUSSIAN
WATER
08/00/72 PGS 54-58 EPA ID# 01550A

THE AUTHOR PRESENTS METHODS OF ANALYZING ECONOMIC EFFECTIVENESS OF WATER CONSERVATION MEASURES ALONG WITH EXAMPLES OF THE APPLICATION OF SUCH PRINCIPLES IN WATER MANAGEMENT IN THE UKRAINE. IT IS NECESSARY, HE SAYS, TO EVALUATE THE COST OF ANTI-POLLUTION MEASURES IN TERMS OF THEIR EFFECTIVENESS IN PREVENTING POLLUTION AND IN TERMS OF THE COST OF ALLOWING THE POLLUTION TO GO UNCHECKED. MATERIAL ON WATER MANAGEMENT AND POLLUTION CONTROL PROJECTS IN THE UKRAINE IN GENERAL IS EVALUATED WITH PARTICULAR EMPHASIS ON THE DONBASS REGION, THE AREA OF GREATEST CONCENTRATION OF POPULATION AND INDUSTRY. EFFECTIVEMENT WATER MANAGEMENT AND POLLUTION CONTROL IN THIS AREA ARE ESSENTIAL TO EFFECTIVE WATERMANAGEMENT OF THE UKRAINE AS A WHOLE, HE SAYS.

USSR
PM(B)

"PROBLEM OF SETTING HYGIENIC STANDARDS OF POLLUTION OF THE ENVIRONMENT IN CONDITIONS OF THE SCIENTIFIC AND TECHNOLOGICAL REVOLUTION." GIGIYENA I SANITARIYA
PETRYANOV, I.V. AND OTHERS
RUSSIAN
ALSO LRB
WATER AIR
10/00/72 PGS 79-83 EPA ID# 01552A

THE AUTHORS BELIEVE THAT THE INCREASING THREAT OF POLLUTION DUE TO INDUSTRIAL GROWTH CAN BE CONTROLLED AT AN ACCEPTABLE LEVEL. THEY RECOMMEND THAT STANDARDS OF MAXIMUM PERMISSIBLE CONCENTRATION OF HARMFUL SUBSTANCES IN THE AIR AND WATER BE SUPPORTED BY STANDARDS OF MAXIMUM PERMISSIBLE DISCHARGE OF WASTE PRODUCTS FROM POLLUTING INDUSTRIES. MAXIMUM CONCENTRATION STANDARDS SHOULD BE DERIVED ON THE BASIS OF STRICT ORGANOLEPTIC AND GENERAL TOXICOLOGICAL CRITERIA TO DELINEATE SAFE LEVELS OF POLLUTION. PERMISSIBLE DISCHARGE STANDARDS WOULD BE BASED ON THE RATE OF DISPERSION OF TOXIC SUBSTANCES AND THE EXTENT OF INDUSTRIAL DEVELOPMENT PROJECTED FOR A REGION SO AS TO INSURE THAT MAXIMUM CONCENTRATION STANDARDS ARE NOT EXCEEDED. THE AUTHORS OBSERVE THAT STANDARDS ON DISCHARGES WOULD BE USEFUL IN DESIGN OF APPARATUS AND PLANNING AND MANAGEMENT OF REGIONAL INDUSTRIES IF SUPPORTED BY STRICT PENALTIES FOR VIOLATORS. SUCH STANDARDS HAVE BEEN USED WIDELY IN THE USSR AGAINST WATER POLLUTION BUT NOT AGAINST AIR POLLUTION.

EUR
USSR
PM(B)

"HYGIENIC EFFECTIVENESS OF MEASURES FOR PRESERVATION OF SURFACE WATER IN THE UZBEK SSR." GIGIYENA I SANITARIYA
IL'INSKIY, I.I.
RUSSIAN 11/00/72 PGS 21-23 EPA ID# 01553A
WATER

THE AUTHOR PRESENTS MATERIAL ON THE STUDY OF SURFACE WATER QUALITY IN THE VICINITY OF A NUMBER OF INDUSTRIAL ENTERPRISES AND POPULATED REGIONS. HE CONCLUDES THAT IN MOST CASES WATER QUALITY MEETS ESTABLISHED HYGIENIC STANDARDS. HE DESCRIBES MEASURES TAKEN IN CERTAIN AREAS TO IMPROVE THE QUALITY OF SURFACE WATER SUCH AS CONSTRUCTION OF SUPPLEMENTARY WATER RESEVOIRS, INTRODUCTION OF WATER RE-CYCLING SYSTEMS AT CERTAIN ORE-PROCESSING PLANTS, INSTALLATION OF EVAPORATORS AND OIL TRAPS AT VARIOUS PETROLEUM ENTERPRISES, AND IMPROVEMENT OF LOCAL SEWAGE TREATMENT PLANTS. IN AREAS WHERE WATER PURIFICATION SYSTEMS ARE INADEQUATE, OVERLOADED OR IMPROPERLY EXPLOITED, HE URGES THE IMPLEMENTATION OF SCIENTIFICALLY FOUNDED SANITARY MEASURES.

USSR
PM(B)

"PURIFICATION OF DOMESTIC SEWAGE IN SMALL POPULATION CENTERS." GIGIYENA I SANITARIYA
ROMANENKO, N.A. AND OTHERS
RUSSIAN 01/00/73 PGS 90-92 EPA ID# 01556A
ALSO ST
WATER

THE AUTHORS DESCRIBE A NEW TYPE OF PURIFICATION POND WHICH CAN BE USED FOR PURIFYING DOMESTIC SEWAGE IN SMALL POPULATION CENTERS. WATER IS PURIFIED IN THESE BIOLOGICAL OXIDATION CATALYTIC STABILIZATION PONDS BY CONTROLLING WATER FLOW AND INTRODUCING A SPECIALLY SELECTED COMPLEX OF MICROALGAE. IN THE WINTER, BIOLOGICAL OXIDIZERS MUST BE ADDED TO MAINTAIN EFFECTIVE PURIFICATION. WATER FROM THESE PONDS MEETS STATE HYDROLOGICAL STANDARDS AND IS FREE OF HELMINTH EGGS. IT CAN BE USED FOR GENERAL IRRIGATION PURPOSES WITHOUT FURTHER PURIFICATION. THE AUTHORS RECOMMEND THAT STUDIES BE MADE ON THE FEASIBILITY OF USING THESE PONDS IN THE VARIOUS SOIL AND CLIMATIC ZONES OF THE USSR.

USSR
PM(B)

PREOBRAZOVANIYE VODNOGO BALANSA V SSSR (TRANSFORMATION OF THE WATER BALANCE IN THE USSR)
KORONKEVICH, N.I.
RUSSIAN 06/00/72 PGS 1-48 EPA ID# 01569A
ALSO ST
WATER

THE AUTHOR PRESENTS A GENERAL OUTLINE OF FACTORS AFFECTING WATER BALANCE IN THE USSR SUCH AS CLIMATE, SOIL CONDITIONS, FAUNA, FLORA, GEOLOGICAL STRUCTURE, TOPOGRAPHICAL RELIEF, COMPLEX NATURAL FACTORS AND THE ACTIVITIES OF MAN. VARIOUS HUMAN ACTIVITES AFFECTING WATER BALANCE ARE DESCRIBED IN MORE DETAIL. THE GREATEST IMPACT ON THE WATER BALANCE IS THE RESULT OF AGROTECHNICAL AND FOREST MANAGEMENT ACTIVITIES SUCH AS REGULATING WATER BALANCE ON FARMLAND, REGULATING RIVER FLOW FOR AGRICULTURAL AND IRRIGATION PURPOSES AND MAINTAINING FOREST BELTS AND WINDBREAKS. USE OF WATER RESOURCES FOR INDUSTRIAL AND HOUSEHOLD NEEDS AND THE RESULTING POLLUTION PROBLEMS ARE DISCUSSED IN RELATION TO THEIR IMPACT ON WATER BALANCE. OTHER MEANS OF REGULATING WATER BALANCE SUCH AS CONSTRUCTION OF CANALS AND RESEVOIRS AND DESALINATION OF SALT WATER ARE DESCRIBED.

EUR
USSR
PM(B)

ZASCHITNO-VODOOKHRANNYYE LESA (PROTECTIVE FORESTS FOR PRESERVATION OF WATER RESOURCES)
RUBTSOV, M.V.
RUSSIAN
WATER
00/00/72 PGS 1-120 EPA ID# 01570A

THIS BOOK IS CONCERNED WITH MAINTAINING RESTRICTED FOREST ZONES ALONG WATERCOURSES FOR THE PRESERVATION OF WATER RESOURCES. THE AUTHOR DESCRIBES THE TERRITORIAL DISTRIBUTION OF SUCH FORESTS IN THE USSR AND PRESENTS A HISTORICAL PERSPECTIVE ON THEM. THE PROTECTIVE ROLE OF SUCH FORESTS IN REGULATING ABSORPTION OF WATER INTO THE GROUND AND PREVENTING THE ACCUMULATION OF SAND AND SILT IN RIVERS AND ON FLOOD PLAINS IS DISCUSSED IN DETAIL. PRINCIPLES IN DEVELOPMENT AND MANAGEMENT OF PROTECTIVE FORESTS FOR PREVENTION OF WATER RESOURCES ARE DEFINED.

USSR
PM(B)

PROBLEMY IZUCHENIYA I ISPOL'ZOCANIYA VODNYKH RESURSOV (PROBLEMS IN THE STUDY AND USE OF WATER RESOURCES)
KRITSKIY, S.N. AND M.F. MENKEL', ED.
RUSSIAN
ALSO SE, ST
WATER
00/00/72 PGS 1-160 EPA ID# 01571A

THIS BOOK IS A COLLECTION OF REPORTS ON RESEARCH CONDUCTED AT THE USSR ACADEMY OF SCIENCES INSTITUTE ON WATER PROBLEMS DEALING WITH COMPLEX EVALUATION OF WATER RESOURCES AND DEVELOPMENT OF SCIENTIFIC PRINCIPLES FOR OPTIMUM WATER MANAGEMENT. THE ARTICLES COVER THE FOLLOWING THEORETICAL PROBLEMS: DETERMINING THE EFFECT OF SURFACE AND GROUND WATER CONDITIONS ON NATURE OF A WATER SYSTEM; ANALYZING WATER REQUIREMENTS OF VARIOUS SECTORS OF THE ECONOMY IN RELATION TO THE WATER MANAGEMENT COMPLEX; IMPROVING THE WATER MANAGEMENT SYSTEM BY CONSTRUCTION OF RESERVOIRS TO REGULATE WATER FLOW; DEVELOPING SCIENTIFIC PRINCIPLES FOR MAINTENANCE OF WATER BALANCE AND REDISTRIBUTION OF WATER RESOURCES IN THE USSR; REGULATING HYDROPHYSICAL PROCESSES IN NATURAL AND ARTIFICIAL WATER SYSTEMS SUCH AS RIVERS, CANALS, RESERVOIRS AND LAKES; DETERMINING ECONOMIC IMPACT OF VARIOUS PROBLEMS IN PREVENTING WATER POLLUTION; AND EVALUATING ECONOMIC PROBLEMS RELATED TO USE OF WATER RESOURCES.

USSR
PM(B)

OKHRANA VODNYKH RESURVOS--PROBLEMA SOVREMENNOSTI (PRESERVATION OF WATER RESOURCES--A CONTEMPORARY PROBLEM)
KUTYRIN, I.M. AND YU.P. BELICHENKO
RUSSIAN
ALSO SE
WATER
00/00/71 PGS 1-57 EPA ID# 01572A

THIS PAMPHLET, DIRECTED TOWARD THE GENERAL READER, DESCRIBES VARIOUS PROBLEMS IN PREVENTION OF WATER POLLUTION. THE AUTHORS CONSIDERS THE PRESERVATION AND RATIONAL USE OF WATER RESOURCES TO BE AMONG THE MOST IMPORTANT PROBLEMS FACING CONTEMPORARY MAN. THEY REVIEW THE PRESENT STATE OF WATER RESOURCES AND FORECAST THE EFFECTS OF ALLOWING POLLUTION TO CONTINUE UNCONTROLLED. VARIOUS SOURCES OF WATER POLLUTION AND PREVENTIVE MEASURES TAKEN BY THE SOVIET GOVERNMENT ARE DISCUSSED. MATERIAL IS PRESENTED ON GOVERNMENTAL POLLUTION CONTROL AND WATER MANAGEMENT PROGRAM IN VARIOUS SOCIALIST AND CAPITALIST COUNTRIES. THE AUTHOR DESCRIBES THE ROLE OF VARIOUS INTERNATIONAL ORGANIZATIONS IN CONTROLLING WATER POLLUTION AND EXPRESSES THE HOPE THAT INCREASING DEMANDS ON WATER RESOURCES CAN BE MET THROUGH INTERNATIONAL COOPERATION AND GOVERNMENTAL ACTION.

EUR
USSR
PM(A)

"PROTECTION AND RATIONAL USE OF WATER IN THE USSR." NATIONAL BOARD OF WATERS - FINLAND -- REPORT 578
SHTEPA, B. G.
RUSSIAN
ALSO PMB AND ST
WATER
00/00/73 PGS 12-34 EPA ID# 02140A

THIS ARTICLE PROVIDES A GENERAL SKETCH OF THE MECHANISMS OF PROTECTION AND CONTROL OF UTILIZATION OF WATER RESOURCES IN THE USSR. EXISTING WATER LEGISLATION IS DISCUSSED, AS WELL AS THE GOVERNMENTAL ORGANS RESPONSIBLE FOR ITS IMPLEMENTATION; ENFORCEMENT PROCEDURES THROUGH INSPECTION OF WATERCOURSES ARE EXPLAINED. ALSO PRESENTED IS A SUMMARY OF SCIENTIFIC RESEARCH PROGRAMS CONDUCTED IN THE USSR ON WATER PROTECTION. (THIS ARTICLE IS ONE OF SEVERAL CONTAINED IN A FINNISH REPORT ON A SYMPOSIUM HELD IN HELSINKI BETWEEN APRIL 10-11, 1973.)

USSR
PM(B)

"SANITARY PROTECTION OF RESERVOIRS IN THE MOSCOW AREA." GIGIENA I SANITARIYA.
NO. 8
GRINBLAT, O. M. AND OTHERS
RUSSIAN
WATER
00/00/74 PGS 87-88 EPA ID# 02366A

THIS ARTICLE DISCUSSES THE WATER POLLUTION CONTROL FUNCTIONS OF THE SANITARY OFFICE (SANEPIDSTANTZIYA) IN THE KRASNOPRESNENSKII AREA OF MOSCOW. IN RECENT YEARS, THE SANITARY OFFICE HAS INCREASED LABORATORY CONTROL OF THE CONTENT OF DISCHARGED WASTEWATER AND THE QUALITY OF WATER IN RESERVOIRS. ANNUALLY, 500 ANALYSES ARE CARRIED OUT. IN ADDITION, THE SANITARY OFFICE HAS EXERCISED STRICT CONTROL OVER WASTEWATER PURIFICATION FACILITIES OF MOTOR VEHICLE INDUSTRIES IN THE AREA, RESULTING IN A MARKED REDUCTION OF POLLUTANTS CONTAINED IN WASTEWATER. TESTING PROCEDURES FOR THE WASTEWATER FROM MOTOR VEHICLE INDUSTRIES, AS WELL AS FOR WATER IN OPEN RESERVOIRS, ARE ALSO DISCUSSED. FINALLY, THE ARTICLE NOTES A DECREASE OVER THE PAST FEW YEARS OF POLLUTION IN THE MOSCOW RIVER.

USSR
PM(B)

"PERSPECTIVES OF THE DEVELOPMENT OF CLEANING INDUSTRIAL WASTEWATER."
PERSPECTIVES OF TRANSFORMATION OF THE MUNICIPAL ENVIRONMENT
YAKOVLEV, S. V.
RUSSIAN
ALSO LRB, ST AND SE
WATER
00/00/73 PGS 310-332 EPA ID# 02769A

THIS ARTICLE DISCUSSES SEVERAL ASPECTS OF INDUSTRIAL WATER POLLUTION CONTROL IN THE USSR. SEVERAL EXAMPLES OF WATER POLLUTION CONTROL LEGISLATION ARE CITED, AND IT IS NOTED THAT ALL NEW INDUSTRIAL ENTERPRISES MUST BE EQUIPPED WITH WASTEWATER PURIFICATION FACILITIES. PLANNING ORGANIZATIONS MUST SUBMIT PLANS FOR WASTEWATER DISCHARGE SYSTEMS OF NEW ENTERPRISES TO THE MINISTRY OF HEALTH OR OTHER APPROPRIATE AUTHORITY FOR APPROVAL. SUCH PLANS MUST CONTAIN DATA ON THE QUALITY OF RECEIVING WATERS AFTER DISCHARGE OF WASTEWATER AND MUST INDICATE MEASURES THAT WILL BE TAKEN TO COMPLY WITH STANDARDS FOR CLEANLINESS OF RECEIVING WATERS. THE CRITERIA FOR THE SETTING OF STANDARDS FOR HARMFUL SUBSTANCES IN WATER BODIES ARE BRIEFLY NOTED. ALSO DISCUSSED ARE THE EFFECTIVENESS AND ECONOMIC ADVANTAGES OF DIFFERENT WATER PURIFICATION METHODS. IT IS PROJECTED THAT BY 1985-2000, PRODUCTION PROCESSES WILL UTILIZE LITTLE OR NO WATER OR WILL HAVE EFFECTIVE WATER RECYCLING SYSTEMS, THEREBY EFFECTING COMPLETE DEPOLLUTION OF WATER BODIES.

EUR
USSR
SE( )

"THE STATE PLAN OF DEVELOPMENT OF THE NATIONAL ECONOMY OF THE USSR FOR 1975."
KOMSOMOL'SKAYA PRAVDA
EPA
RUSSIAN 12/19/74 PGS 2 ID# 02513A
GENERAL

ONE SECTION OF THIS ARTICLE, SUBTITLED "PROTECTION OF NATURE AND RATIONAL USE OF NATURAL RESOURCES," STATES THAT A SPECIAL SECTION OF THE 1975 BUDGET OF THE USSR WILL BE DEVOTED SOLELY TO ENVIRONMENTAL PROTECTION. THIS IS A RESULT OF THE RESOLUTION ISSUED BY THE GOVERNMENT ON "THE PROTECTION OF NATURE AND RATIONAL USE OF NATURAL RESOURCES." THE 1975 ECONOMIC PLAN IN THIS AREA INCLUDES MEASURES IN THE PROTECTION OF WATER RESOURCES, THE ATMOSPHERE, FORESTS, REPRODUCTION OF THE FISH SUPPLY, AND PROTECTION AND RATIONAL USE OF MINERAL RESOURCES. MORE THAN 1.8 BILLION RUBLES HAVE BEEN DESIGNATED BY THE GOVERNMENT TO ACHIEVE THESE GOALS.

USSR
SE( )

"1975 STATE PLAN FOR THE NATIONAL ECONOMY OF THE USSR."
PRAVDA
EPA
RUSSIAN 12/19/74 PGS 3 ID# 02521A
ALSO PMB
GENERAL WATER AIR

ONE SECTION OF THIS ARTICLE, SUBTITLED "PROTECTION OF NATURE AND RATIONAL USE OF NATURAL RESOURCES," DEALS WITH THE PORTION OF THE 1975 NATIONAL BUDGET OF THE USSR DEVOTED TO ENVIRONMENTAL PROTECTION. MORE THAN 1.8 BILLION RUBLES WILL BE ALLOCATED TO VARIOUS ENVIRONMENTAL PROTECTION PROGRAMS SUCH AS INCREASING THE NUMBER OF WATER PURIFICATION INSTALLATIONS; CONSTRUCTION OF RESERVOIRS, CANALS AND WATER CONDUITS; AND PUTTING INTO OPERATION MORE DUST-COLLECTING FACILITIES AND APPARATUSES FOR ELECTRICAL AND CHEMICAL PURIFICATION OF GASES. FUNDS FOR SEVERAL AREAS OF ENVIRONMENTAL PROTECTION SUCH AS PRESERVATION OF FORESTS AND EFFICIENT USE OF RESOURCES ARE ALLOCATED IN THIS SECTION OF THE BUDGET, AS WELL AS IN OTHER RELATED SECTIONS.

USSR
SE( )

V POISKAKH TISHINY (IN SEARCH OF SILENCE)
CHUDNOV, V.
EPA
RUSSIAN 00/00/71 PGS 127 ID# 00204A
NOISE

THE BOOK IS AN ATTEMPT TO POPULARIZE CONCEPTS OF NOISE POLLUTION FROM THE POINT OF VIEW OF ITS HARMFULNESS TO HEALTH AND TENDENCY TO DECREASE EFFECTIVENESS OF WORK AND RELAXATION. IT CONSIDERS NOISE FROM INDUSTRY, TRANSPORTATION, GENERAL BACKGROUND NOISE, AND CHARACTERISTICS OF NOISE FROM GROUPS OF PEOPLE.

EUR
USSR
SE( )

TRANSPORT I BOR'BA A SHUMOM (TRANSPORTATION AND THE FIGHT AGAINST NOISE)
CHUDNOV, V.I.
RUSSIAN
ALSO ST
NOISE
EPA
00/00/72 PGS 1-32 ID# 01563A

THIS PAMPHLET, WHICH IS DIRECTED TO THE GENERAL READER, SURVEYS PROBLEMS OF NOISE CAUSED BY TRANSPORTATION. THE AUTHOR CONSIDERS THE INCREASING LEVELS OF NOISE, AS WELL AS INFRASONIC AND ULTRASONIC VIBRATIONS TO WHICH MAN IS SUBJECTED, TO BE AMONG THE MOST URGENT SOCIAL AND HEALTH PROBLEMS FACING CONTEMPORARY INDUSTRIALIZED SOCIETIES. PROLONGED SUBJECTION TO HIGH LEVELS OF NOIS CONTRIBUTES TO DEVELOPMENT OF NERVOUS DISORDERS, VASCULAR DISEASES AND OTHER ILLNESSES, AND REDUCES WORK CAPACITY AND EFFICIENCY. THE AUTHOR SURVEYS PROBLEMS OF NOISE IN RELATION TO AUTOMOBILES, MOTORCYCLES, TROLLEYS, TRAMWAYS, SUBWAYS, RAILROADS AND AIRPLANES. HE DISCUSSES VARIOUS TECHNOLOGICAL DEVELOPMENTS FOR REDUCTION OF NOISE CAUSED BY TRANSPORTATION, BUT EMPHASIZES THE NEED FOR FURTHER RESEARCH.

USSR
ST( )

OCHISTKA VYBROSNYKH GAZOV (PURIFICATION OF WASTE GASES)
VILESOV, N. G. & KOSTYUKOVSKAYA, A. A.
RUSSIAN
AIR
LOC
00/00/71 PGS 196 ID# 00143A

THE BOOK DESCRIBES MEANS FOR VARIOUS INDUSTRIES TO CLEAN WASTE GASES OF SULFUR ANHYDRIDE FOR UTILIZATION. ATTENTION IS DEVOTED TO VARIOUS METHODS OF EXTRACTING SO2 WITH A SEPARATE CHAPTER ON THE PHYSICOCHEMICAL PROCESSES INVOLVED. SCHEMES AND APPARATUS USED FOR VARICUS METHODS BOTH IN THE USSR AND OTHER COUNTRIES ARE DISCUSSED.

USSR
ST( )

METEOROLOGICHESKIYE ASPEKTY ZAGRYAZNENIYA ATMOSFERY (METEOROLOGICAL ASPECTS OF ATMOSPHERIC POLLUTION)
BERLYAND, M. E.
RUSSIAN
AIR
LOC
00/00/71 PGS 371 ID# 00260A

THE BOOK IS A COLLECTION OF THE ARTICLES PRESENTED AT THE INTERNATIONAL SYMPOSIUM IN LENINGRAD, JULY 1968. IT CONTAINS 39 CONTRIBUTIONS ON VARIOUS ASPECTS OF METEOROLOGY AND AIR POLLUTION, SUCH AS CHARACTERISTICS OF POLLUTION. A LARGE BODY OF ARTICLES DEAL WITH CONCENTRATION, DISPERSION AND DIFFUSION OF POLLUTANTS AND POLLUTED AIR; MANY DEAL WITH POLLUTION IN THE CONTEXT OF INDUSTRY AND POWER PLANTS; AND OTHERS DISCUSS SPECIFIC TYPES OF POLLUTION, SUCH AS PHOTOCHEMICALS, HEAVY METALS, AND SMOKE. AT LEAST ONE ARTICLE IS HIGHLY TECHNICAL: ON SURFACE ROUGHNESS AND AIR FLOW.

EUR
USSR
ST( )

"ATMOSPHERIC DIFFUSION AND AIR POLLUTION." RED BANNER
A. I. VOYEYKOV MAIN GEOPHYSICAL OBSERVATORY LOC
RUSSIAN 00/00/71 PGS 204 ID# 00261A
AIR

THE BOOK IS A COLLECTION OF ARTICLES DEALING WITH VARIOUS ASPECTS OF AIR POLLUTION. SOME ARTICLES DISCUSS DISTRIBUTION AND DISPERSION OF EXHAUSTS FROM GENERAL INDUSTRIAL FACTORIES, SYNTHETIC FIBER PLANTS, AND ELEVATED EXHAUST SOURCES. THERE ARE SOME STUDIES OF AIR MOVEMENT IN THE LOWER ATMOSPHERE, INCLUDING INVERSIONS, AND ON CALCULATION OF ATMOSPHERIC TURBIDITY. OTHERS TREAT STATISTICS OF POLLUTION CONTENT, PRINCIPALLY IN CITY AIR, AND THE PROBLEM OF CHOOSING THE NUMBER, LOCATION, AND FREQUENCY OF AIR POLLUTION OBSERVATIONS. STILL OTHER ARTICLES CONCERN MEASUREMENT OF THE CHEMICAL COMPOSITION OF THE ATMOSPHERE, PARTICULARLY HALOGEN COMPOUNDS, HYDROGEN FLUORIDE, SULFUROUS GASES, AND CARBON MONOXIDE, USING INSTRUMENTS SUCH AS A COULOMBOMETER AND AN AUTOMATIC GAS ANALYZER.

USSR
ST( )

"DEVELOPMENT OF URGENT PROBLEMS IN HYGIENE IN THE RSFSR." GIGIYENA I SANITARIYA
SHITSKOVA, A.P. AND OTHERS EPA
RUSSIAN 12/00/72 PGS 8-16 ID# 01542A
ALSO SE
AIR WATER NOISE

THIS ARTICLE ON GENERAL HYGIENE PROBLEMS IN THE RSFSR DEVOTES CONSIDERABLE ATTENTION TO HEALTH HAZARDS ARISING FROM VARIOUS TYPES OF POLLUTION. THE AUTHORS DESCRIBE TYPES OF RESEARCH BEING CONDUCTED AT VARIOUS INSTITUTIONS. A NUMBER OF INSTITUTES ARE STUDYING THE EFFECTS OF AIR POLLUTION IN INDUSTRIAL CITIES. THE EFFECT OF AIR POLLUTION ON LIVING CONDITIONS AND THE GENERAL HEALTH OF THE POPULATION IS BEING STUDIED WITH PARTICULAR EMPHASIS ON SMALL CONCENTRATIONS OF TOXIC SUBSTANCES ALONE AND IN COMBINATION IN ORDER TO DEVELOP HYGIENIC STANDARDS AND ESTABLISH MAXIMUM SAFE CONCENTRATIONS. THE EFFECT OF DUMPING SEWAGE ON THE WATER SUPPLY IS ALSO BEING STUDIED WITH EMPHASIS ON CHEMICAL AND TOXICOLOGICAL STUDIES OF LOW CONCENTRATIONS OF CERTAIN SUBSTANCES. NOISE AND VIBRATION PATHOLOGIES AND DISEASES CAUSED BY DUST AND CHEMICAL VAPORS IN THE AIR AT INDUSTRIAL SITES ARE ALSO BEING STUDIED.

EUR
USSR
ST( )

"MATERIAL ON HYGIENIC STANDARDS OF TETRACYCLINES IN THE AIR." GIGIYENA I SANITARIYA
ERMAN, F.
RUSSIAN 12/00/72 PGS 33-35 EPA ID# 01543A
ALSO LRB
AIR

BECAUSE OF THE DANGER OF POLLUTING THE AIR WITH TETRACYCLINES BY INDUSTRIES MANUFACTURING THEM, THE AUTHOR STUDIED THE BIOLOGICAL EFFECTS OF THIS ANTIBIOTIC IN ORDER TO DETERMINE MAXIMUM ALLOWABLE CONCENTRATIONS OF IT IN THE AIR IN POPULATED AREAS. GUINEA PIGS WERE SUBJECTED TO INHILATION OF DIFFERENT CONCENTRATIONS OF TETRACYCLINES FOR A PERIOD OF 98 DAYS. A WIDE VARIETY OF TESTS REFLECTING THE GENERAL TOXIC AND ALLERGENIC EFFECTS OF THE SUBSTANCES WAS PERFORMED. THE AUTHOR RECOMMENDS THAT THE MAXIMUM ALLOWABLE COMBINED CONCENTRATION OF TETRACYCLINES IN THE AIR IN RESIDENTIAL AREAS BE LIMITED TO 0.01 MG PER CUBIC METER WITH AVERAGE DAILY CONCENTRATION NOT TO EXCEED 0.006 MG PER CUBIC METER OF AIR.

USSR
ST( )

OCHISTKA VYBROSNYKH GAZOV (PURIFICATION OF EMITTED GASES)
VILESOV, N.G. AND KOSTYUKOVSKAYA, A.A.
RUSSIAN 00/00/71 PGS 1-194 EPA ID# 01561A
ALSO PMB
AIR

THE AUTHORS DESCRIBE VARIOUS METHODS USED IN RECOVERY AND UTILIZATION OF SULFUR DIOXIDE FROM EMITTED GASES. A GENERAL DESCRIPTION OF PHYSICAL AND CHEMICAL PROCESSES USED IN RECOVERY OF SO2 IS PRESENTED. METHODS OF RECOVERING SO2 THROUGH ABSORPTION BY SULFITE-BISULFITE SOLUTION, BY SOLID SUBSTANCES AND OTHER ABSORBENT MATERIALS ARE DISCUSSED. OTHER METHODS OF RECOVERING SO2 INCLUDE CATALYTIC OXIDATION, AND REDUCTION OF SO2 INTO SIMPLE SULFUR AND CARBON BISULFIDE. THE AUTHORS PRESENT COMPARATIVE TECHNICOLOGICAL AND ECONOMIC EVALUATIONS OF THE VARIOUS METHODS BASED ON DATA FROM CURRENTLY OPERATING TREATMENT PLANTS. PROBLEMS IN DESIGN OF DIFFERENT APPARATUS USED IN RECOVERY OF SO2 ARE ALSO DISCUSSED.

USSR
ST( )

VREDNYYE VESHCHESTVA V PROMYSHLENNOSTI (HARMFUL SUBSTANCES IN INDUSTRY), V. 1, V. 2
COLLECTIVE AUTHORSHIP
RUSSIAN 00/00/71 PGS 823,607 EPA ID# 00223A
GENERAL PESTICIDES

VOLUME I IS DEVOTED TO DESCRIPTIONS OF PHYSICAL, CHEMICAL, AND TOXIC CHARACTERISTICS OF ORGANIC COMPOUNDS AND METHODS OF SAFEGUARDING PEOPLE WORKING WITH THEM. THE DISCUSSIONS INCLUDE: HYDROCARBONS, ALCOHOLS AND PHENOLS, ESTERS, ORGANIC OXIDES AND PEROXIDES, THIOCOMPOUNDS, ALDEHYDES AND KETONES, ORGANIC ACIDS, ESTERS AND AMIDES OF PHOSPHORIC ACID, NITRO- AND AMINO-COMPOUNDS IN PARTICULAR.

VOLUME II IS DEVOTED TO INORGANIC AND ELEMENT-ORGANIC COMPOUNDS. SPECIAL SECTIONS DISCUSS INERT GASES, OXYGEN COMPOUNDS, HALOGENS, SULPHUR, SELENIUM, TELLURIUM, NITROGEN, PHOSPHOROUS, ARSENIC, ANTIMONY, CARBON, CYANIDES, CHROMIUM, BORON, MAGNESIUM, ZINC, CADMIUM, MERCURY, BERYLLIUM, ALUMINUM, AND VIRTUALLY EVERY OTHER ELEMENT WITH ITS COMPOUNDS.

EUR
USSR
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INZHENERNO-GEOGRAFICHESKIY PROBLEMY PROYEKTIROVANIYA I EKSPLUATATSII KRUPNYKH RAVNINNYKH VODOKHRANILISHCH(ENGINEERING & GEOGRAPHICAL PROBLEMS WITH LARGE LOWLAND RESEVOIRS)
VENDROV, S. L., ED.
LOC TD395.I52
RUSSIAN 00/00/72 PGS 1-240 ID# 00532A
ALSO PMB
GENERAL WATER

IN ADDITION TO PROBLEMS HAVING A DIRECT IMPACT ON CONSTRUCTION OF LARGE LOWLAND WATER RESEVOIRS THE BOOK DISCUSSES VARIOUS ASPECTS OF THE EFFECT OF THESE RESEVOIRS ON THE IMMEDIATE AREA AND SURROUNDING TERRITORIES, INCLUDING: CHANGES IN SPEED AND VOLUME OF WATER FLOW IN AFFECTED RIVERS, CHANGES IN LOCAL CLIMATE AND LENGTH OF ICE-FREE SEASON, EFFECT ON TRIBUTARIES, CHANGES IN HYDROGEOLOGICAL CONDITIONS IN THE IMMEDIATE AREA, EFFECTS ON SURROUNDING FORESTS, CHANGES IN GROUND-WATER LEVEL, SOIL CONDITIONS AND VEGETATION IN NEARBY AREAS, AND IMPACT ON AFFECTED WILDLIFE POPULATIONS. THE AUTHORS EMPHASIZE THE NEED FOR MAKING ACCURATE PREDICTIONS OF THE IMPACT OF LARGE LOWLAND RESEVOIRS ON THE SURROUNDING REGION AND MAKE RECOMMENDATIONS ON EXPLOITING POSITIVE CHANGES AND COMBATING NEGATIVE EFFECTS OF THESE RESEVOIRS.

USSR
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"TECHNOLOGY AND THE PRESERVATION OF THE ENVIRONMENT." PRIRODA
PARSHENKOV, SERGEY ALEKSANDROVICH
EPA
RUSSIAN 02/00/72 PGS 46-51 ID# 01573A
ALSO PMA
GENERAL WATER AIR

THE AUTHOR DESCRIBES THE GROWING DANGERS OF ENVIRONMENTAL POLLUTION IN VIEW OF INCREASING TECHNOLOGICAL DEVELOPMENT. HE USES EXAMPLES OF AMERICAN INDUSTRIAL GROWTH TO EMPHASIZE HAZARDS TO THE ENVIRONMENT FROM A HIGHLY INDUSTRIALIZED SOCIETY. FAILURE TO CONTROL POLLUTION IS A RESULT OF COMPLEX PROBLEMS SUCH AS THE LACK OF EFFECTIVE TECHNOLOGY TO PURIFY INDUSTRIAL WASTES, INEFFICIENT ORGANIZATION OF INDUSTRY, FAILURE OF TECHNOLGISTS TO TAKE RESPONSIBILITY FOR ENVIRONMENTAL IMPACT OF NEW DEVELOPMENTS, LACK OF SUFFICIENT UNDERSTANDING OF ENVIRONMENTAL IMPACT OF NEW DEVELOPMENTS, AND POOR COORDINATION BETWEEN ENVIRONMENTAL SCIENCES AND TECHNOLOGICAL SCIENCES. IN VIEW OF THE LACK OF ECONOMIC INCENTIVES AND GOVERNMENTAL PRESSURE TO CONTROL POLLUTION IN THE USSR, THE AUTHOR EMPHASIZES THE MORAL OBLIGATION OF TECHNOLOGISTS TO PROTECT THE ENVIRONMENT.

EUR
USSR
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"EFFECT OF ENVIRONMENTAL CONDITIONS ON THE SEASONAL ACTIVITY OF MULTIVOLTINE PARASITES OF NEODIPRION SERTIFER." ENVIRONMENT CANADA TRANSLATION OOENV TR-944
KHORKHORDIN, E.G.
EPA
ENGLISH 00/00/75 PGS 1-16 ID# 03409A
GENERAL

THE FACTORS WHICH WERE OBSERVED TO AFFECT THE SEASONAL ACTIVITY OF SAWFLY EONYMPH PARASITES ARE NOTED IN THIS REPORT DRAWN UP AFTER TESTING IN PINE FORESTS OF VARIOUS AGES IN THE VORONEZ REGION OF THE USSR. THE SPRING POPULATION OF BOTH THE PLEOLOPHUS BASIZONUS AND THE DAHLBOMINUS FUSCIPENNIS WAS GOVERNED BY THE NUMBER OF OVERWINTERED PARASITIZED EONYMPHS OF THE HOST IN THE FOREST. IN YOUNG FORESTS, A HIGH SUMMER TEMPERATURE DEPRESSED THE REPRODUCTION OF THE PARASITES, AND IN P. BASIZONUS THE PROPORTION OF FEMALES IN THE PROGENY WAS REDUCED. IN OLDER PINE FORESTS, A 4.4 DECREASE IN THE PARASITIZATION OF HOST COCOONS BY D. FUSCIPENNIS OCCURRED IN THE LOWER LAYERS OF THE LITTER. (THE RUSSIAN LANGUAGE ORIGINAL APPEARS IN ZOOLOGICHESKII ZHURNAL, VOL. 53, NO. 4, 1974.)

USSR
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SHUM PREOBRAZOVATEL'NYKH AGREGATOV I METODY BOR'BY S NIM (CONVERSION NOISE AND METHODS OF COMBATTING IT)
POSKROBKO, A. A. FOMIN, YU A., & CHUVILIN V. G.
EPA
RUSSIAN 00/00/71 PGS 109 ID# 00147A
NOISE

THE BOOK CONTAINS DATA OF NOISE LEVEL STUDIES FOR VENTILATOR AND TRANSFORMER EQUIPMENT IN CONVERSION APPARATA. MEANS FOR LESSENING NOISE AT ITS IMMEDIATE SOURCE ARE DISCUSSED, AND A LARGE SECTION IS DEVOTED TO METHODS OF MEASURING NOISE LEVEL OF ELECTRICAL EQUIPMENT.

USSR
ST( )

BOR'BA S SHUMOM I ZVUKOVOY VIBRATSIYEY NA SUDAKH (COMBATTING NOISE AND SONIC VIBRATION ON SHIPS)
KLYUKIN, I. I.
EPA
RUSSIAN 00/00/71 PGS 403 ID# 00148A
NOISE

SHORT NOTES ARE GIVEN ON PHYSICAL, PHYSIOLOGICAL, AND CONSTRUCTIVE ACOUSTICS AS WELL AS MEASUREMENT. CONTEMPORARY MEANS OF SOUND- AND VIBRATION-PROOFING AND ABSORPTION ARE DESCRIBED. IN COMPARISON WITH THE FIRST EDITION, THIS ONE HAS AN EXPANDED TREATMENT OF VIBRATION AND PHYSICAL ACOUSTICS.

EUR
USSR
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BORBA S SHUMOM V GORODAKH (FIGHTING NOISE IN CITIES)
KARAGODINA, I. L.
RUSSIAN 00/00/72 PGS 155 LOC ID# 00266A
NOISE

NOISE IN CITIES IS APPROACHED AS A HEALTH PROBLEM WITH DISCUSSIONS OF THE EFFECTS OF TRANSPORT AND HABITATION NOISE ON THE HUMAN ORGANISM (INCLUDING EFFECTS ON HEARING, REFLEXES, AND HEART AND ARTERIES). METHODS FOR THE STUDY OF SUCH PROBLEMS ARE ADVANCED.
NORMS FOR NOISE LEVELS ARE ESTABLISHED, CONSIDERING THE ACOUSTIC CHARACTER OF NOISES IN QUESTION, AND RESULTS OF STUDIES ON NOISE DISTRIBUTION IN THE PRESENCE OF BARRIERS ARE GIVEN. A SPECIAL SECTION IS DEVOTED TO MEANS OF PROTECTION AGAINST AIRPLANE NOISE AND METHODS OF DECREASING THAT NOISE AS WELL AS TO METHODS OF ISOLATING HABITATION NOISE SUCH AS THAT FROM CONSTRUCTION.
METHODOLOGY OF NOISE MEASUREMENT IS PRESENTED ALONG WITH NUMEROUS DIAGRAMS AND GRAPHS OF THE RESULTS OF THE STUDIES.

USSR
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"METHODS OF FIGHTING THE EFFECTS OF THE SONIC BOOM IN THE USE OF AIRCRAFT."
PROMYSHLENNOST' ARMENII
MILYUKOV, N
RUSSIAN 01/00/72 PGS 72-74 EPA ID# 01567A
NOISE

THE AUTHOR DESCRIBES VARIOUS AERODYNAMIC FACTORS AFFECTING THE FORCE OF THE SONIC BOOM AND THE INTENSITY OF SOUND WAVES GENERATED BY SUPERSONIC AIRCRAFT. HE POINTS OUT THAT AS SUPERSONIC AVIATION DEVELOPS, THE WHOLE POPULATION WILL BE SUBJECTED IN ONE WAY OR ANOTHER TO THE EFFECTS OF THE SONIC BOOM. RESEARCH ON MEANS OF DECREASING THE FORCE OF THE SONIC BOOM AND DETERMINING THE MAXIMUM INTENSITY OF SOUND WAVES AFFECTING MAN IS DESCRIBED. CAUSES OF ENGINE NOISE AND PROBLEMS IN DESIGN OF QUIETER AIRCRAFT ENGINES ARE ALSO DISCUSSED. HE NOTES THAT ATTENTION TO PLANNING AND LAYOUT OF AIRPORTS SO AS TO REDUCE THE NOISE LEVEL DURING LANDING AND TAKEOFF CAN ALSO PLAY A MAJOR ROLE IN DESCREASING THE LEVEL OF NOISE AFFECTING THE POPULATION.

USSR
ST( )

SANITARNAYA OKHRANA VNESHNEY SREDY OT ZAGRYAZNENIYA PESTITSIDAMI (SANITARY PROTECTION OF THE ENVIRONMENT FROM PESTICIDES)
NAYSHTEYN, S. YA. & MERENYUK, G. V.
RUSSIAN 00/00/71 PGS 171 EPA ID# 00267A
PESTICIDES AIR WATER

THE BOOK IS A COMPREHENSIVE DISCUSSION OF PESTICIDE POLLUTANTS IN AIR, WATER, AND SOIL WITH REMARKS ON THEIR PHYSICOCHEMICAL CHARACTERISTICS (INCLUDING STABILITY), AND ON THE CYCLING OF PESTICIDES IN TRACE QUANTITIES THROUGH THE ENVIRONMENT. THERE ARE SECTIONS DEVOTED TO THE INFLUENCES OF PESTICIDES ON WATER QUALITY, BIOCHEMICAL PROCESSES IN THE SOIL, AND ON SELF-PURIFYING CAPABILITIES OF SOIL AND WATER; THE GENERAL TOXICITY OF PESTICIDES (THEIR EFFECTS ON SEXUAL AND GENERATIVE FUNCTIONS); AND PROTECTIVE AND CONTROL MEASURES FOR PESTICIDES IN THE SOIL AND WATER. THERE IS ALSO A 20-PAGE BIBLIOGRAPHY.

EUR
USSR
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PESTITSIDY I ZHIZN' VODOYEMOV (PESTICIDES AND LIFE IN RESEVUIRS)
BRAGINSKIY, L.P.
RUSSIAN EPA
00/00/72 PGS 1-227 ID# 01562A
PESTICIDES WATER

THIS BOOK IS PRIMARILY CONCERNED WITH MEANS OF STUDYING ECOLOGICAL AND TOXICOLOGICAL EFFECTS OF PESTICIDES AND HERBICIDES ON FRESHWATER ECOSYSTEMS. USE OF HERBICIDES, PRIMARILY PHOTOSYNTHESIS INHIBITORS, FOR CONTROL OF VEGETATION OVERGROWTH IN RESEVOIRS AND CANALS IS EMPHASIZED. AFTER PROLONGED LABORATORY STUDY OF MANY CHEMICAL PREPARATIONS, SEVERAL WERE SELECTED FOR EXPERIMENTAL USE IN NATURAL CONDITIONS, INCLUDING CARBAMIDE DERIVATIVES, ATRAZINE, SODIUM TRICHLORACETATE, SODIUM SALT 2,4-D AND OTHERS. THE AUTHOR, WHO HEADS A RESEARCH GROUP AT THE UKRAINIAN ACADEMY OF SCIENCES INSTITUTE OF HYDROBIOLOGY, RECOMMENDS DEVELOPMENT OF RAPIDLY DEGRADABLE PESTICIDES WITH LOW TOXICITY LEVELS, ESTABLISHMENT OF STRICT BIOLOGICAL STANDARDS FOR REGULATION OF PESTICIDE USE, AND DEVELOPMENT OF BIOLOGICAL AND OTHER MEANS FOR DETOXIFICATION OF WATER CONTAMINATED BY PESTICIDES. A GENERAL SURVEY OF THE LITERATURE ON OTHER PESTICIDES AND HERBICIDES IS PRESENTED.

USSR
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BIOLOGICHESKIY METOD BOR'BY S VREDITELYAMI OVOSHCHNYKH KUL'TUR (THE BIOLOGICAL METHOD OF CONTROLLING AGRICULTURAL PESTS)
TER-SIMONYAN, L.G. AND T.N. BUSHCHIK, COMP.
RUSSIAN EPA
00/00/72 PGS 1-112 ID# 01578A
PESTICIDES

INCREASING AWARENESS OF THE DANGERS OF CHEMICAL PESTICIDES TO MAN AND THE ENVIRONMENT HAS LED TO GREATER EMPHASIS ON BIOLOGICAL METHODS OF CONTROL. THIS BOOK IS A COLLECTION OF ARTICLES ON THE DEVELOPMENT AND APPLICATION OF HIGHLY EFFECTIVE METHODS OF CONTROLLING VARIOUS AGRICULTURAL PESTS. METHODS OF REGULATING INTERACTION BETWEEN HARMFUL AND USEFUL ORGANISMS TO INCREASE THE PROPORTION OF BENEFICIAL FORMS ARE DESCRIBED. VARIOUS ENTOMOPHAGOUS ORGANISMS ARE DISCUSSED IN RELATION TO AGRICULTURAL PRODUCTION. MICROBIOLOGICAL METHODS OF CONTROLLING OROBANCHACEAE AND OTHER BLIGHTS ARE PRESENTED. USE OF THE BIOLOGICAL PREPARATION TRICHODERMIN-3 FOR CONTROL OF DISEASE IN CUCUMBERS AND OTHER VEGETABLES IS DISCUSSED. THOUGH THE AUTHORS BELIEVE SOME USE OF PESTICIDES IS NECESSARY TO MAINTAIN HARVEST LEVELS, THEY RECOMMEND COMBINATIONS OF BIOLOGICAL AND AGROTECHNICAL METHODS TO PRESERVE USEFUL ORGANISMS AND MINIMIZE NEED OF PESTICIDES.

EUR
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OCHISTKA STOCHNYKH VOD, SODERZHASHCHIKH SINTETICHESKIYE POVERKHNOSTNOAKTIBNYE VESHCHESTVA (PURIFICATION OF WASTEWATER CONTAINING SYNTHETIC SURFACE-ACTIVE SUBSTANCES)
LUKINYKH, N. A.
EPA
RUSSIAN 00/00/72 PGS 94 ID# 00166A
WATER

INVESTIGATIONS OF AND PRACTICAL EXPERIENCE WITH PROBLEMS OF CIVIL AND INDUSTRIAL WASTEWATER ARE USED TO PRODUCE EVALUATIONS OF BIOCHEMICAL ACIDITY OF SYNTHETIC SURFACE-ACTIVE SUBSTANCES. CONCRETE RECOMMENDATIONS FOR PURIFICATION AND TREATMENT INSTALLATIONS ARE GIVEN, INCLUDING FILTRATION, ABSORPTION, ION EXCHANGE, AND FRACTIONALIZATION.

USSR
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OCHISTKA I ISPOL'ZOVANIE STOCHNYKH VOD PREDPRIYATIY TSVETNOY METALLURGII
(PURIFICATION AND USE OF WASTEWATER FROM NONFERROUS METALLURGY)
MILOVANOV, L. V.
EPA
RUSSIAN 00/00/71 PGS 379 ID# 00169A
ALSO PM
WATER

THE ORIGIN AND PHYSICOCHEMICAL MAKEUP OF WASTEWATER FROM ORES, CONCENTRATION PLANTS, AND HYDRO- AND PYRO-METALLURGICAL PLANTS FOR NONFERROUS METALS ARE DESCRIBED. THE DISCARDING OF WASTEWATER INTO RESERVOIRS AND ITS EFFECTS ARE DISCUSSED. TECHNOLOGICAL MEANS FOR DECREASING THE QUANTITY OF WASTEWATER AND POLLUTION LEVEL, AS WELL AS PHYSICOCHEMICAL METHODS AND TYPICAL SCHEMES FOR PURIFICATION ARE ALSO PRESENTED.
THE POLLUTANTS CONSIDERED ARE ACIDS, CYANIDES, FLUORIDES, ARSENIC, OIL PRODUCTS, PHENOLS, PHOSPHATES, SULPHIDES, AND OTHERS.

USSR
ST( )

OCHISTKA PROIZVODSTVENNYKH STOCHNYKH VOD (PURIFICATION OF INDUSTRIAL WASTEWATER)
KARELIN, YA. A.
EPA
RUSSIAN 00/00/70 PGS 152 ID# 00240A
WATER

THE BOOK GIVES GENERAL NOTES ON WASTEWATERS, PRINCIPLES OF PURIFICATION, METHODS (MECHANICAL, PHYSICOCHEMICAL AND BIOCHEMICAL), AND INSTALLATIONS. SOME ATTENTION IS PAID TO CONTROL AND AUTOMATION OF PURIFICATION INSTALLATIONS. OF SPECIAL INTEREST IS PURIFICATION IN CONNECTION WITH PETROCHEMICAL COMPLEXES AND REFINERIES OF FUEL, GREASE, AND HIGH SULFUR OIL.

EUR
USSR
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OCHISTKA STOCHNYKH VOD PREDPRIYATIY LEGKOY PROMYSHLENNOSTI (PURIFICATION OF WASTEWATER FROM LIGHT INDUSTRY)
YAKOVLEV, S. V. & LASKOV, YU. M.
RUSSIAN 00/00/72 PGS 112 EPA ID# 00241A
WATER

THE BOOK DISCUSSES QUANTITY AND COMPOSITION OF WASTEWATER MAINLY FROM DYING, FINISHING, AND TANNING PLANTS, AS WELL AS THE INFLUENCE OF THE SPECIFIC POLLUTANTS FROM SUCH ENTERPRISES ON PURIFICATION PROCESSES. PROCESSES DISCUSSED ARE MECHANICAL, CHEMICAL, BIOCHEMICAL, FLOTATION, AND OZONIZATION. AN INDIVIDUAL SECTION CONSIDERS THE USE OF SEDIMENTS FROM SUCH TEXTILE WASTES.

USSR
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RECOMMENDATIONS ON DEVICES FOR CONTROLLING OUTPUT AND LEVEL IN CHANNELIZATION PURIFICATION INSTALLATIONS
RUSSIAN 00/00/72 PGS 54 EPA ID# 00242A
WATER

THE BOOK PRESENTS A GENERAL DISCUSSION OF CONTROL OF WASTE OUTPUT, LEVEL OF WASTEWATER, SLUDGE AND SEDIMENT, AND THOSE PHENOMENA ASSOCIATED WITH PRIMARY AND SECONDARY SEDIMENTATION TANKS AND AERATION TANKS. AFTER THE DISCUSSIONS, METHODS ARE EXPLAINED FOR CALCULATION OF SEGMENTED DIAPHRAGMS FOR UNCOMPRESSED LIQUIDS, HYDRAULICS OF VENTURI TROUGHS, AND VARIOUS KINDS OF WEIRS. THERE ARE NUMEROUS DIAGRAMS AND CHARTS IN CONNECTION WITH INSTALLATIONS AS WELL AS MANY GRAPHS ILLUSTRATING THE COMPUTATIONAL METHODS.

USSR
ST( )

MEKHANICHESKAYA OCHISTKA STOCHNYKH VOD (MECHANICAL PURIFICATION OF WASTEWATER)
YAKOVLEV, S. V. & KAPITSUM, V. I.
RUSSIAN 00/00/72 PGS 197 EPA ID# 00243A
WATER

THE BOOK CONSIDERS THE CONSTRUCTIONS OF VARIOUS TYPES OF MECHANICAL MEANS FOR PURIFYING WASTEWATER AND RATES THEM. THE FIRST CATEGORY DEALS WITH GRILLS AND THE PROBLEMS INVOLVED. MUCH ATTENTION IS PAID TO SAND-CATCHERS OF THE HORIZONTAL, VERTICAL, AND TANGENTIAL VARIETIES (AS WELL AS AERATE AND HYDROMECHANICAL CONSTRUCTIONS), HORIZONTAL AND RADIAL SEDIMENTATION TANKS, AND COLLECTING TROUGHS.

EUR
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MATERIALS OF THE CONFERENCE "PROGRESSIVE METHODS OF PURIFYING NATURAL AND WASTEWATER"

EPA
RUSSIAN 09/00/71 PGS 138 ID# 00244A
WATER

THIS VOLUME OF THE MATERIALS IS ENTITLED "AVTOMATIZATSIYA PROTSESSOV" (AUTOMATIZATION OF PROCESSES). IT CONTAINS 26 CONTRIBUTIONS DEALING WITH THE AUTOMATION OF PURIFICATION THROUGH CHEMICAL AND BIOCHEMICAL MEANS, REAGENTS, AERATORS, COAGULANTS, AND ION-EXCHANGE. SPECIFIC PROBLEMS CONSIDERED ARE CYANIDES, CHROMIUM, COPPER, ZINC, AND ORGANIC SUBSTANCES. ONE ARTICLE DEALS WITH AUTOMATION OF WATER SUPPLY.

USSR
ST( )

OCHISTKA I ISPOLZOVANIYE STOCHNYKH VOD NA PREDPRIYATIYAKH CHERNOY METALLURGII (PURIFICATION AND USE OF WASTEWATER IN FERROUS METALLURGY)
SHABALIN, A. F.
EPA
RUSSIAN 00/00/68 PGS 505 ID# 00275A
WATER

AFTER GENERAL DISCUSSIONS ON THE ROLE OF WATER IN FERROUS METALLURGY, THE COMPOSITION OF WASTEWATER FROM DIFFERENT TYPES OF PLANTS, DIFFERENT TYPES OF PURIFICATION MECHANISMS, AND THE USES OF WASTEWATER IN FACTORIES, THE AUTHOR TURNS TO SPECIAL INTERESTS. MORE DETAILED STUDIES ARE OFFERED ON THE WASTEWATER FROM PLANTS FOR ACID TREATMENT OF METALS, COAL-ENRICHING AND COKE PLANTS, AND ORE-ENRICHING PLANTS. SUBSEQUENT SECTIONS DEAL WITH RECYCLING A PLANT'S WATER SUPPLY, THE ACTUAL USE OF PURIFICATION DEVICES, CONDITIONS FOR RELEASING WASTEWATER, AND THE ECONOMICS OF CONSTRUCTION FOR PURIFYING PURPOSES.

USSR
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MATERIALS OF THE CONFERENCE "PROGRESSIVE METHODS OF PURIFYING NATURAL AND WASTE WATER"

EPA
RUSSIAN 09/00/71 PGS 103 ID# 00276A
SB.#2
WATER

THIS VOLUME OF THE MATERIALS IS ENTITLED "OCHISTKA STOCHNYKH VOD" (PURIFICATION OF WASTEWATERS) IT CONTAINS 44 CONTRIBUTIONS BY VARIOUS RESEARCHERS DEALING WITH WASTEWATERS FROM MANY SOURCES (NORMAL SEWAGE, OIL-REFINING & PETROCHEMICAL INDUSTRY, DYING & FINISHING PLANTS, YEAST PRODUCTION, FOUNDRIES, FIBERGLASS, SYNTHETICS, LEATHER, WOOL, MINING, FERROUS METALLURGY, LIGHT INDUSTRY, AND OTHERS). SPECIFIC CONTAMINANTS DEALT WITH ARE SULFUR COMPOUNDS, ACIDS, NITRIDES, ALCOHOLS, SURFACE-ACTIVE SUBSTANCES, ORGANIC & MINERAL MIXTURES, & OTHERS. PROCESSES DISCUSSED INCLUDE NEUTRALIZATION, FILTRATION, FLOTATION, ELECTROCOAGULATION, OXYGENATION, AERATION, THOSE OF A BIOCHEMICAL, ELECTROCHEMICAL, & MAGNETIC NATURE, AS WELL AS USE OF CENTRIFUGES & THERMAL DRYING.

EUR
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TRUDY INSTITUTA VODGEO (WORKS OF THE VODGEO INSTITUTE)
VODGEO INSTITUTE
EPA
RUSSIAN 00/00/70 PGS 85 ID# 00277A
#28
WATER

THE VODGEO (VSESOYUZNYY NAUCHNO-ISSLEDOVATELSKIY INSTITUT VODOSNABZHENIYA, KANALIZATSII, GIDROTEKHNICHESKIKH SOORUZHENIY I INZHENERNOY GIDROGEOLOGII -- ALL UNION SCIENTIFIC RESEARCH INSTITUTE OF WATER-SUPPLY, CHANNELIZATION, HYDROTECHNICAL INSTALLATIONS, AND ENGINEERING HYDRO-GEOLOGY) HAS PUBLISHED HERE 19 ARTICLES UNDER THE TITLE "PURIFICATION OF INDUSTRIAL WASTEWATER". FOR THE MOST PART, THE ARTICLES DEAL WITH LIGHT INDUSTRIES AND THOSE CONNECTED WITH PETROCHEMISTRY. THE MAIN POLLUTANTS DISCUSSED ARE PETROLEUM-RELATED. PROCESSES TOUCHED ON INCLUDE AERATION, FILTERS AND VACUUM FILTERS, CATALYSIS WITH MOLECULAR OXYGEN, OZONIZATION, AND REAGENTS. BIOCHEMICAL PROCESSES ARE MENTIONED AND ONE ARTICLE CONSIDERS THE SELF-PURIFICATION PHENOMENON.

USSR
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VODA I STOCHNYYE VODY V PISHCHEVOY PROMYSHLENNOSTI (WATER AND WASTEWATER IN THE FOOD INDUSTRY)
COLLECTIVE AUTHORS
EPA
RUSSIAN 00/00/72 PGS 377 ID# 00279A
TRANSLATED FROM POLISH
WATER

THE BOOK BEGINS WITH A FEW REMARKS ON WATER QUALITY IN THE FOOD INDUSTRY IN GENERAL & THEN DEVOTES SOME SPACE TO THE CHEMISTRY OF WASTEWATERS FROM THAT INDUSTRY, COVERING A LARGE LIST OF CONTAMINANTS. THERE IS DISCUSSION OF DEVICES FOR MEASURING WASTEWATERS &, IN PARTICULAR, OF DEVICES FOR PURIFICATION. THESE LATTER INCLUDE MECHANICAL MEANS, SUCH AS GRATES, SIEVES, SEDIMENTATION TANKS, ETC.; CHEMICAL MEANS, SUCH AS COAGULATION, CHLORIFICATION & AERATION; & VARIOUS BIOLOGICAL PROCESSES.

THE MAJOR EMPHASIS IS ON THE CHARACTER, QUANTITY & PURIFICATION OF WASTEWATERS IN THE INDIVIDUAL BRANCHES OF THE FOOD INDUSTRY: SUGAR, YEAST, ALCOHOL, BREWING, MEATS, FOWL, FISH, MILK, FRUITS & VEGETABLES, POTATOES & OILS & FATS. THE EFFICACY OF THE DIFFERENT MEANS IS DISCUSSED & THERE ARE REMARKS ON CONTROL FACTORS FOR THE PURIFICATION STATIONS.

THE BOOK CONTAINS 94 TABLES OF EXPERIMENTAL RESULTS & 115 ILLUSTRATIONS OF DEVICES & SYSTEMS.

EUR
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PROYEKTIROVANIYE I RASCHET OCHISTNYKH SOORUZHENIY VODOPROVODOV (DESIGN AND PLANNING OF WATER PURIFICATION SYSTEMS)
KUL'SKIY, L.A., AND OTHERS
RUSSIAN 00/00/72 PGS 1-424 EPA ID# 00795A
ALSO PMB, SE
WATER

THE FIRST SECTION OF THE BOOK IS A GENERAL DISCUSSION OF SOURCES OF WATER SUPPLY, METHODS, TECHNOLOGICAL PROCESSES AND REAGENTS USED IN WATER PURIFICATION, DEMANDS ON WATER QUALITY, AND TECHNOLOGICAL AND ECONOMIC PRINCIPLES OF WATER SUPPLY. THE AUTHORS THEN PRESENT DETAILED TECHNICAL INFORMATION ON DESIGN AND PLANNING OF WATER PURIFICATION PLANTS AND VARIOUS APPARATUS USED IN TREATMENT PROCESS. TECHNOLOGICAL PROBLEMS DISCUSSED INCLUDE: REGULATION OF REAGENTS; DISINFECTION BY MEANS OF CHLORINATION, OZONIZATION, IONIZATION AND ULTRAVIOLET IRRADIATION; FLUORINATION AND DEFLUORINATION OF DRINKING WATER; REMOVAL OF IRON, MAGANESE AND SILICIC ACID; DESALINATION; TREATMENT OF WATER IN RECYCLING SYSTEMS; AND STABILIZATION OF COOLING WATER. MEANS OF AUTOMATION, WORK REGULATION AND MANAGEMENT OF TREATMENT STATIONS ARE DISCUSSED. THE AUTHORS INCLUDE NEW DATA ON STANDARDS AND COMPARATIVE COST EVALUATION OF VARIOUS PURIFICATION SYSTEMS.

USSR
ST( )

ISSLEDOVANIYA PO OCHISTKE STOCHNYKH VOD (STUDIES ON PURIFICATION OF WASTE WATER)
MOSCOW, INZHERNO-STROITEL'NYY INSTITUT
RUSSIAN 00/00/71 PGS 1-138 EPA ID# 00796A
MOSCOW ENGINEERING INST.
WATER

THIS COLLECTION CONTAINS REPORTS ON RESEARCH CONDUCTED AT THE MOSCOW ENGINEERING INSTITUTE ON MEANS OF PURIFYING CITY SEWAGE AND INDUSTRIAL WASTEWATERS. RESEARCH ON SEWAGE PURIFICATION INCLUDES IMPROVED HIGH CAPACITY AERATION TANKS, MECHANICAL SURFACE DISC AERATORS, BIOLOGICAL FILTERS WITH SOFT PLASTIC CORE, BALANCE OF ORGANIC SUBSTANCES IN BIOCHEMICAL FILTERS AND COMPARATIVE OXIDATION CAPACITY OF AEROBIC AND ANAEROBIC SEDIMENTS. METHODS OF PURIFYING EFFLUENTS FROM TEXTILE AND WOOLENS INDUSTRIES INCLUDE RECYCLING SYSTEMS, SETTLING TANKS AND A NEW FILTER SYSTEM CONTAINING IRON FILINGS. VARIOUS PROBLEMS IN PURIFICATION OF EFFLUENTS FROM CHEMICAL AND PHARMACEUTICAL INDUSTRY INCLUDE USES OF ACTIVATED CHARCOAL FILTERS AND GAS CONVERSION FILTERS, AND MEANS OF PURIFYING EFFLUENTS FROM PRODUCTION OF STEROID HORMONES. THE INSTITUTE IS ALSO STUDYING USE OF SYNTHETIC HIGH MOLECULAR SUBSTANCES IN PURIFICATION OF WASTE WATER FROM PETROLEUM INDUSTRY.

EUR
USSR
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SANITARNYYE USLOVIYA SPUSKA STOCHNYKH VOD V VODOYEMY (SANITARY CONDITIONS FOR DUMPING WASTEWATER IN RESERVOIRS)
CHERKINSKIU, S.N.
RUSSIAN 00/00/71 PGS 1-208 EPA ID# 01564A
ALSO LRB, PMB
WATER

THIS BOOK IS CONCERNED WITH SCIENTIFIC AND PRACTICAL PRINCIPLES FOR DETERMINING CONDITIONS FOR DUMPING WASTEWATER WITHOUT DAMAGE TO SANITARY QUALITY OF WATER RESEVOIRS. THE AUTHOR PRESENTS DETAILED TECHNICAL MATERIAL ON METHODS OF EVALUATING THE STABILITY OF POLLUTANTS, THEIR EFFECT ON ORGANIC MAKEUP OF RESEVOIRS AND CONCOMITANT IMPACT ON THE NATURAL PURIFICATION PROCESS, THEIR EFFECT ON ORGANOLEPTIC PROPERTIES OF THE WATER, ON CONTENT OF SUSPENDED MATTER IN THE WATER, AND ON THE GENERAL HEALTH OF THE POPULATION. HE SUMMARIZES SOVIET WATER SANITATION LEGISLATION IN TERMS OF PUBLIC HEALTH AND SANITATION TECHNOLOGY REQUIREMENTS AND THE RESPONSIBILITY OF VARIOUS ECONOMIC SECTORS FOR WATER POLLUTION. INCREASED DEMANDS ON WATER RESOURCES DUE TO GROWTH IN VOLUME AND VARIETY OF INDUSTRIAL PRODUCTION AND PROBLEMS REQUIRING FURTHER RESEARCH ARE DISCUSSED.

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VODOSNABZHENIYE, KANALIZATSIYA, GIDROTEKHNICKESKIYE SOORUZHENIYA (WATER SUPPLY, DRAINAGE, HYDROTECHNICAL STRUCTURES) V. XV
UGINCHIS, A.A., CHIEF EDITOR
RUSSIAN 00/00/72 PGS 1-111 EPA ID# 01565A
WATER

THIS BOOK IS A COLLECTION OF ARTICLES FOR WATER SANITATION SPECIALISTS AND ENGINEERS WORKING WITH WATER SUPPLY AND DRAINAGE SYSTEMS. SUBJECTS DISCUSSED IN VARIOUS ARTICLES INCLUDE: CHANGES IN SEAWATER USED IN RECYCLING WATER SUPPLY SYSTEMS; DESIGN OF RECYCLING WATER SUPPLY SYSTEMS FOR PROCESSING OF SULFUR ORE AND PRODUCTION OF MAGANESE-SILICON; USE OF FERRIC IRON SULFATE AS A COAGULANT FOR PURIFICATION OF DRINKING WATER; BIOCHEMICAL MEANS OF CLEANSING WASTEWATER CONTAINING NON-OXIDIZED SULFUR COMPOUNDS; TOXIC PROPERTIES AND BIOCHEMICAL REMOVAL OF PROPYLENE OXIDE AND PROPYLENE GYLCOL IN WASTEWATER; BIOCHEMICAL METHODS OF REMOVING RESIDUAL ORGANIC POLLUTANTS; USE OF ALUMINUM HYDROXIDE FOR ADSORPTION OF KEROSENE IN WASTEWATER; FILTERS FOR REMOVING FLOATING LAYERS OF POLLUTANTS; MICROFILTERS FOR CLEANSING PULP FACTORY EFFLUENTS; EFFECT OF DIETHYL MALONATE AND MALONONITRILE ON SANITARY STATE OF RESEVOIRS; AND USE OF CITY SEWAGE FOR INDUSTRIAL WATER SUPPLY.

EUR
USSR
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ISKUSSTVENNOYE VOSPOLNENIYE ZAPASOV I INFIL'TRATSIONNYYE VODOZABORY PODZEMNYKH VOD (ARTIFICIAL REPLENISHING OF UNDERGROUND WATER RESERVES AND INFILTRATION INTAKE APPARATUS)
USENKO, V.S.
EPA
RUSSIAN 00/00/72 PGS 1-254 ID# 01566A
WATER

THE INCREASING DEMAND FOR SOURCES OF FRESH WATER AND THE RESULTING GROWTH IN THE USE OF UNDERGROUND WATER RESERVES HAS CREATED THE PROBLEM OF POSSIBLE DEPLETION OF THE UNDERGROUND WATER SUPPLY. THE AUTHOR DISCUSSES EXPERIENCE IN ARTIFICIAL REPLENISHING OF UNDERGROUND WATER SUPPLY IN THE USSR AND OTHER COUNTRIES. HE PRESENTS DETAILED TECHNICAL INFORMATION ON PHYSICAL, CHEMICAL AND BIOLOGICAL PRINCIPLES IN REPLENISHING OF UNDERGROUND WATER SUPPLY, AS WELL AS TECHNICAL DATA ON VARIOUS INFILTRATION APPARATUS. POTENTIAL HAZARDS OF POLLUTING THE UNDERGROUND WATER SUPPLY AND DYNAMICS OF VARIOUS ELEMENTS OF POLLUTION DURING THE INFILTRATION PROCESS ARE DESCRIBED.

USSR
ST( )

BIOLOGICHESKIYE RESURSY MORYA I NEFTYANOYE ZAGRYAZNENIYE (BIOLOGICAL RESOURCES OF THE SEAS AND PETROLEUM POLLUTION)
MIRONOV, O.G.
EPA
RUSSIAN 00/00/72 PGS 1-105 ID# 01568A
ALSO PMB
WATER

THE AUTHOR DISCUSSES GENERAL CHARACTERISTICS OF POLLUTION OF THE SEA BY OIL AND FREE HYDROCARBONS, THE SOURCES OF SUCH POLLUTION, AND NATURAL LEVELS OF HYDROCARBONS IN SEAWATER AS AN INDICATOR OF POLLUTION. HE DESCRIBES THE RESULTS OF EXPERIMENTAL STUDIES OF THE EFFECT OF VARIOUS CONCENTRATIONS OF OIL AND OIL PRODUCTS ON SEA ORGANISMS, ESPECIALLY THOSE WHICH PLAY A ROLE IN THE NATURAL PURIFICATION PROCESS. MATERIAL IS PRESENTED ON VARIOUS METHODS OF FIGHTING OIL POLLUTION OF THE SEA, INCLUDING THE USE OF DETERGENTS, COAGULANTS, FLOATING ABSORBERS AND CERTAIN BIOLOGICAL METHODS. THE AUTHOR EMPHASIZES POSSIBLE DAMAGE TO MARINE FAUNA AND FLORA CAUSED BY DETERGENTS, ESPECIALLY IN COMBINATION WITH OTHER TOXIC POLLUTANTS. HE RECOMMENDS INCREASED RESEARCH ON THE PROCESS OF NAUTRAL PURIFICATION OF THE SEA AND THE ORGANISMS INVOLVED. HE CONSIDERS BIOLOGICAL METHODS OF CONTROLLING POLLUTION TO BE THE BEST HOPE OF PRESERVING BIOLOGICAL RESOURCES OF THE SEA.

USSR
ST( )

PROBLEMY OKHRANY VOD (PROBLEMS IN PRESERVATION OF WATER), V. 1
LOZANSKIY, V.R., ED.
EPA
RUSSIAN 00/00/72 PGS 1-235 ID# 01574A
ALSO PMB AND SE
WATER

THIS IS THE FIRST COLLECTION OF RESEARCH REPORTS PUBLISHED BY THE ALL-UNION RESEARCH INSTITUTE FOR WATER CONSERVATION. THE TWO LEAD ARTICLES ARE DEVOTED TO GENERAL QUESTIONS OF PROTECTING WATER FROM POLLUTION AND EXHAUSTION. THE REMAINING 26 ARTICLES ARE DIVIDED INTO FIVE THEMATIC GROUPS. THE FIRST GROUP CONCERNS ECONOMIC ASPECTS OF WATER CONSERVATION, INCLUDING MEANS OF ECONOMIC STIMULATION AND FORMULATION OF ECONOMIC AND MATHEMATICAL MODELS FOR WATER CONSERVATION. THE SECOND GROUP DEALS WITH MODELS FOR PROCESSES RELATED TO CHANGES IN STATE OF WATER QUALITY AND SPECIFIC WATER QUALITY PARAMETERS. THE THIRD GROUP COVERS RESEARCH ON WATER MANAGEMENT, QUALITATIVE CHARACTERISTICS OF WATER, AND DETERMINING EFFECTIVENESS OF CONSERVATION MEASURES AND TREATMENT SYSTEMS. THE FOURTH GROUP DEALS WITH CERTAIN APPARATUS AND AUTOMATIC DEVICES USED IN WATER TREATMENT SYSTEMS. THE LAST GROUP CONCERNS FOREIGN EXPERIENCE IN TECHNOLOGY OF CONTROLLING QUALITY OF SURFACE WATER.

EUR
USSR
ST( )

MEKHANICHESKAYA OCHISTKA STOCHNYKH VOD (MECHANICAL PURIFICATION OF WASTEWATER)
YAKOVLEV, S.V. AND V.I. KALITSUN
EPA
RUSSIAN 00/00/72 PGS 1-197 ID# 01575A
WATER

THIS BOOK, FOR ENGINEERS WORKING ON DESIGN AND CONSTRUCTION OF INDUSTRIAL SEWAGE SYSTEMS, DESCRIBES METHODS OF MECHANICAL PURIFICATION OF WASTEWATER AS WELL AS TECHNICAL REQUIREMENTS, APPARATUS AND TYPES OF CONSTRUCTION OF WATER PURIFICATION PLANTS IN THE USSR AND ABROAD. THE AUTHORS NOTE THAT MECHANICAL PURIFICATION IS THE LEAST EXPENSIVE METHOD OF REMOVING HARMFUL SUBSTANCES FROM WASTEWATER. THOUGH MECHANICAL PURIFICATION IS GENERALLY USED FOR PRELIMINARY PREPARATION OF WASTEWATER FOR BIOCHEMICAL, CHEMICAL AND OTHER METHODS OF SECONDARY TREATMENT, IT SHOULD BE EXPLOITED AS MUCH AS POSSIBLE TO REDUCE COST OF FINAL TREATMENT. MATERIAL IS PRESENTED ON TECHNICAL REQUIREMENTS AND PRINCIPLES OF CONSTRUCTION OF VARIOUS TYPES OF FILTERS, SANDTRAPS, RADIAL AND HORIZONTAL SETTLING TANKS, AND SEWAGE NETWORKS. CLASSIFYING WASTEWATER BY COMPOSITION OF POLLUTANTS TO DETERMINE PURIFICATION REQUIREMENTS IN RELATION TO LOCAL CONDITIONS IS DISCUSSED.

USSR
ST( )

POVYSHENIYE EFFEKTIVNOSTI RABOTY OCHISTNYKH SOORUZHENIY VODOPROVODA (INCREASING EFFICIENCY AT WATER PURIFICATION PLANTS)
BLUVSHTEYN, M.M.
EPA
RUSSIAN 00/00/71 PGS 1-191 ID# 01576A
ALSO PMB
WATER

THIS BOOK SUMMARIZES RESEARCH ON MEANS OF INCREASING THE EFFICIENCY OF WATER PURIFICATION PLANTS. THE AUTHOR PRESENTS THE RESULTS OF TECHNOLOGICAL STUDIES OF TRADITIONAL PLANTS WITH REINFORCED CONCRETE CONSTRUCTION, AND OF MODERN EXPERIMENTAL ONES. HE MAKES RECOMMENDATIONS ON MEANS OF PREPARING REAGENT SOLUTIONS AND ON IMPROVED METHODS OF INTRODUCING THE REAGENTS. EXTENSIVE RESEARCH ON MEANS OF PURIFYING DISCOLORED AND MUDDY WATER IS DESCRIBED. QUESTIONS ON THE USE OF COARSE FILTERS AND IMPROVEMENTS IN TECHNOLOGICAL METHODS OF CONTROLLING VARIOUS ASPECTS OF WORK AT PURIFICATION PLANTS ARE DISCUSSED. INSTRUCTIVE MATERIAL ON MANAGEMENT OF PLANTS DURING VARIOUS STAGES OF THE PURIFICATION PROCESS IS INCLUDED. THE BOOK IS DIRECTED TOWARD SPECIALISTS IN THE FIELDS OF DESIGN, CONSTRUCTION AND MANAGEMENT OF WATER PURIFICATION PLANTS.

EUR
USSR
ST( )

OCHISTKA STOCHNYKH VOD PREDPRIYATIY PISHCHEVOY PROMYSHLENNOSTI (PURIFICATION OF WASTEWATER FROM FOOD PROCESSING INDUSTRY)
LORENTS, V.I.
EPA
RUSSIAN 00/00/72 PGS 1-188 ID# 01577A
ALSO PMB
WATER

THIS BOOK IS DIRECTED TOWARD ENGINEERS WORKING IN DESIGN, CONSTRUCTION AND MANAGEMENT OF SEWAGE PURIFICATION PLANTS IN THE FOOD INDUSTRY. THE AUTHOR DISCUSSES CHARACTERISTICS OF POLLUTANTS AND PROBLEMS RELATED TO DISPOSAL OF WASTEWATER FROM FRUIT AND VEGETABLE CANNING, WINE-MAKING, ALCOHOLIC AND NONALCOHOLIC BEVERAGE PRODUCTION, MEAT PROCESSING, FAT RENDERING, BAKING, CONFECTION MANUFACTURE AND OTHER FOOD INDUSTRIES. WITH REGARD TO THE DESIGN OF PURIFICATION PLANTS FOR THESE INDUSTRIES, THE AUTHOR PRESENTS PRINCIPLES IN CONSTRCUTION OF DRAINAGE NETWORKS, PUMPING STATIONS, PRELIMINARY TREATMENT PLANTS, AND APPARATUS FOR DETOXIFICATION OF SEDIMENTS, BIOLOGICAL PURIFICATION TREATMENT PLANTS, AND APPARATUS FOR DETOXIFICATION OF SEDIMENTS, BIOLOGICAL PURIFICATION, MECHANICAL PURIFICATION AND DISINFECTION OF WASTEWATER. HE EVALUATES CERTAIN PROBLEMS IN MANAGEMENT OF SEWAGE PURIFICATION PLANTS, INCLUDING TECHNICAL AND ECONOMIC STANDARDS, METHODS OF COMPARTMENTALIZATION AND AUTOMATION OF PLANTS, AND MEANS OF MONITORING WORK QUALITY.

EUR
YUGOSLAVIA
LR(B)

"A LAW FOR ONE SMOKESTACK." POLITIKA

SERBO-CROATIAN 10/06/72 PGS 5 EPA ID# 00331A
AIR

THE ARTICLE DISCUSSES A MEETING OF THE SLOVENIAN UNION FOR THE PROTECTION OF THE HUMAN ENVIRONMENT. IT ALSO POINTS OUT A LAW PROMPTED BY THE TRBOVLJE II THERMAL POWER PLANT ON SMOKE STACK HEIGHT. THE STACK FOR THE POWER PLANT WILL HAVE TO BE 400 M HIGH TO DISPOSE OF HARMFUL GASES.

YUGOSLAVIA
LR(A)

"JUNE 25, 1965 BASIC LAW ON PREVENTION OF AIR POLLUTION." INT. DIG.HLTH. LEG., V. 17
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/66 PGS 182-187 EPA ID# 01422A
AIR

THIS LAW PROVIDES FOR MONITORING AIR POLLUTION LEVELS AND ESTABLISHING POLLUTION CONTROL MEASURES. CONSTRUCTION, RECONSTRUCTION OR OPERATION OF INDUSTRIAL OR OTHER ENTERPRISES WITHOUT POLLUTION CONTROL MEASURES, APPROVED BY THE SANITARY INSPECTION AUTHORITIES, IS PROHIBITED. INDUSTRIES FOR WHICH ANTI-POLLUTION TECHNOLOGY IS INADEQUATE MUST BE LOCATED AWAY FROM POPULATION CENTERS. ENTERPRISES ARE CLASSIFIED ACCORDING TO POLLUTION HAZARDS INVOLVED. SANITARY PROTECTION ZONES MAY BE ESTABLISHED TO EXCLUDE CERTAIN INDUSTRIES FROM AN AREA. URBAN PLANNING PROPOSALS MUST INCLUDE POLLUTION CONTROL PROVISIONS. POLLUTING ENTERPRISES MUST MONITOR EMISSION LEVELS, KEEP RECORDS, AND REPORT TO APPROPRIATE AUTHORITIES. LOCALITIES WITH POLLUTION ENTERPRISES MUST ALSO MONITOR AIR QUALITY. THE FEDERAL SECRETARY OF HEALTH AND SOCIAL AFFAIRS IS TO PROMOTE POLLUTION CONTROL RESEARCH AND ESTABLISH STANDARDS ON ACCEPTABLE POLLUTION LEVELS. (OFFICIAL TEXT IN SLUZBENI LIST SFR JUGOSLAVIJE, JULY 7, 1965, NO. 30, PAGES 1181-1183).

YUGOSLAVIA
LR(A)

"MARCH 18, 1966 ORDER ON NOTIFICATION BY ESTABLISHMENTS LIKELY TO CAUSE AIR POLLUTION." INT. DIG. HLTH. LEG., V. 19
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/68 PGS 893-894 EPA ID# 01422B
AIR

THIS ORDER, ISSUED BY THE FEDERAL SECRETARY FOR HEALTH AND SOCIAL AFFAIRS, ESTABLISHES CATEGORIES OF POLLUTING ENTERPRISES REQUIRED TO NOTIFY SANITARY INSPECTION AUTHORITIES OF THEIR OPERATIONS UNDER ARTICLE 27 OF THE "JUNE 25, 1965 BASIC LAW ON PREVENTION OF AIR POLLUTION." THIS INCLUDES: ESTABLISHMENTS USING OVER TWO TONS OF FUEL PER DAY OR 250 KILOGRAMS PER HOUR; ESTABLISHMENTS DISCHARGING CERTAIN SPECIFIED CHEMICAL SUBSTANCES; INDUSTRIES PRODUCING CERTAIN CHEMICAL PRODUCTS; CERTAIN TYPES OF METALLURGICAL INDUSTRIES; ENTERPRISES PRODUCING GLASS, BRICK, CEMENT, CLAY PRODUCTS, WOOD CHARCOAL AND SIMILAR PRODUCTS; TEXTILE MANUFACTURING AND PROCESSING INDUSTRIES; AND CERTAIN FOOD PROCESSING AND LEATHER GOODS INDUSTRIES. (OFFICIAL TEXT IN SLUZBENI LIST SFR JUGOSLAVIJE, APRIL 6, 1966, NO. 14, PAGES 287-289).

EUR
YUGOSLAVIA
LR(A)

"MAN'S RIGHT TO PURE AIR." BORBA

EPA
SERBO-CROATIAN 06/25/72 PGS 12 ID# 00355A
ALSO PMA
GENERAL

THE ARTICLE MENTIONS THAT IN THE COURSE OF PREPARING THE YUGOSLAV DELEGATION FOR THE STOCKHOLM CONVENTION, A MONOGRAPH ON PROBLEMS OF THE ENVIRONMENT IN THE COUNTRY WAS PRODUCED. IT AND THE REMAINDER OF THE ARTICLE DEAL WITH THE GROWTH OF POPULATION AND INDUSTRY AS A SOURCE OF POLLUTION, THE EFFECT OF POLLUTION ON THE COUNTRYSIDE IN GENERAL, AND A BRIEF SURVEY OF THE YUGOSLAV LAWS ON WATER AND AIR POLLUTION AND CONSERVATION. THE CONCERNS OF THE DELEGATION AT THE CONVENTION ARE REITERATED, PRINCIPALLY THE AMENDMENT OFFERED BY YUGOSLAVIA BUT NOT PASSED: THAT BILATERAL AND MULTILATERAL TALKS BE ARRANGED AMONG COUNTRIES WITH CERTAIN COMMON PROBLEMS OF POLLUTION. IN PARTICULAR, THIS AMENDMENT WOULD CONCERN TALKS WITH ITALY ON THE ADRIATIC AND CONFERENCES WITH MANY EUROPEAN COUNTRIES ON THE PROBLEM OF THE DANUBE BASIN.

YUGOSLAVIA
LR(B)

NATIONAL REPORT ON THE ENVIRONMENT

EPA
ENGLISH 00/00/72 PGS 1-24 ID# 02499A
ALSO PMB
GENERAL

THIS REPORT, PREPARED FOR THE 1972 UNITED NATIONS CONFERENCE ON THE HUMAN ENVIRONMENT IN STOCKHOLM, CONSIDERS THE ENVIRONMENTAL CONSEQUENCES OF URBANIZATION IN YUGOSLAVIA, AND SURVEYS THE PROCESSES OF DEGRADATION AND POLLUTION AS WELL AS THEIR EFFECTS ON THE ATMOSPHERE, WATERS, WILDLIFE, AND SOIL. A SEPARATE SECTION OF THE REPORT OUTLINES THE EXISTING ENVIRONMENTAL PROTECTION POLICY AND CITES IN DETAIL THE MEASURES UNDERTAKEN, OR PROPOSED, FOR THE ELIMINATION OF THESE PROBLEMS.

YUGOSLAVIA
LR(B)

"JUNE 21, 1971 REGULATIONS ON GENERAL MEASURES AND STANDARDS FOR THE PROTECTION OF WORKERS AGAINST NOISE IN WORK-PLACES." INT. DIG. HLTH. LEG., V. 25, NO. 1
WORLD HEALTH ORGANIZATION, COMP.
EPA
ENGLISH 00/00/74 PGS 246-247 ID# 02313A
NOISE

THESE REGULATIONS, PUBLISHED IN SLUZBENI LIST SOCIJALISTICKE FEDERATIVNE REPUBLIKE JUGOSLAVIJE, NO. 29 OF JULY 8, 1971, WERE ISSUED BY THE FEDERAL LABOUR COUNCIL IN PURSUANCE OF THE 1955 BASIC LAW ON OCCUPATIONAL HEALTH AND SAFETY. THESE REGULATIONS PROVIDE FOR THE MONITORING OF NOISE LEVELS AND THE ESTABLISHMENT OF PROTECTIVE MEASURES AGAINST NOISE IN WORK-PLACES. SPECIFIC PROVISIONS INVOLVE MEASUREMENT AND ANALYSIS OF NOISE; NOISE-MEASURING INSTRUMENTS; LOCATION AND CONDITIONS UNDER WHICH NOISE IS TO BE MEASURED; PERSONAL PROTECTIVE DEVICES AGAINST NOISE; PROTECTIVE MEASURES APPLICABLE TO MACHINERY AND WORK PREMISES; AND PERIODIC HEALTH EXAMINATION OF PERSONNEL. APPENDIXES TO THESE REGULATIONS PROVIDE TABLES OF PERMISSIBLE NOISE LEVELS IN RELATION TO THE TYPE OF ACTIVITY AND TO OTHER AMBIENT CONDITIONS.

EUR
YUGOSLAVIA
LR(A)

"DEC. 23, 1968 REGULATIONS ON MAXIMUM PERMISSIBLE QUANTITIES OF PESTICIDES IN FOODSTUFFS." INT. DIG. HLTH. LEG., V. 20
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/69 PGS 562-563 ID# 01425A
PESTICIDES

THESE REGULATIONS, ISSUED BY THE FEDERAL SECRETARY FOR HEALTH AND SOCIAL AFFAIRS, ESTABLISH MAXIMUM PERMISSIBLE CONCENTRATIONS OF PESTICIDE RESIDUES IN FOODS INTENDED FOR HUMAN CONSUMPTION FOODS CONTAINING RESIDUES OF TWO OR MORE PESTICIDES ARE NOT TO BE MARKETED UNLESS COMBINED CONCENTRATION DOES NOT EXCEED MAXIMUM PERMISSIBLE CONCENTRATION OF MOST POISONOUS RESIDUE. FOODS CONTAINING RESIDUES OF TWO OR MORE POISONS HAVING A SYNERGISTIC EFFECT MAY NOT BE MARKETED UNDER ANY CIRCUMSTANCES. UNPROCESSED FOODS WITH EXCESSIVE PESTICIDE RESIDUES MAY BE MARKETED ONLY IF PROCESSING REDUCES RESIDUES TO AN ACCEPTABLE LEVEL. FOODS NOT MEETING REQUIREMENTS OF THESE REGULATIONS ARE NOT TO BE MARKETED FOR HUMAN CONSUMPTION. THE ANNEX LISTS MAXIMUM PERMISSIBLE CONCENTRATIONS FOR NUMEROUS PESTICIDES. (OFFICIAL TEXT IS IN SLUZBENI LIST SFR JUGOSLAVIJE, JAN. 29, 1969, NO. 4, PAGES 150-153).

YUGOSLAVIA
LR(A)

"APRIL 4, 1965 LAW ON PRODUCTION AND TRADE IN POISONS." INT. DIG. HLTH. LEG. V. 17
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/66 PGS 180-181 ID# 01426A
PESTICIDES

THIS LAW ESTABLISHES AUTHORITY TO REGULATE POISONOUS SUBSTANCES WHICH ARE HAZARDOUS TO LIFE OR THE HEALTH OF THE PUBLIC, AND TO PREVENT INCORRECT USE OF POISONS. THE FEDERAL SECRETARY OF HEALTH AND SOCIAL AFFAIRS IS EMPOWERED TO DETERMINE SUBSTANCES TO BE CONTROLLED AS POISONS, TO REGULATE PRODUCTION, PACKAGING, STORAGE AND MARKETING OF THEM, AND TO MONITOR THEIR USE. ANNEX I LISTS POISONS WHICH CAN BE SOLD ONLY TO PERSONS SPECIALLY AUTHORIZED BY SANITARY INSPECTION AUTHORITIES. ANNEX II LISTS OTHER SUBSTANCES TO BE REGULATED AS POISONS. (OFFICIAL TEXT IS IN SLUZBENI LIST SFR JUGOSLAVIJE, APRIL 6, 1965, NO. 16, PAGES 781-783).

YUGOSLAVIA
LR(A)

"NOV. 2, 1970 INSTRUCTION ON MINIMUM SAFE INTERVAL FOLLOWING TREATMENT OF CROPS WITH PESTICIDES." INT. DIG. HLTH. LEG., V. 23
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/72 PGS 191-192 ID# 01427A
PESTICIDES

THIS INSTRUCTION, ISSUED BY THE FEDERAL SECRETARY FOR THE ECONOMY, ESTABLISHES GUIDELINES ON THE MINIMUM TIME INTERVAL BETWEEN THE APPLICATION OF PESTICIDES OR PHYTOPHARMACEUTICAL PRODUCTS AND HARVESTING OF CROPS IN THE FIELD OR USE OF STORED CROPS TREATED WITH SUCH PRODUCTS. NECESSARY TO REDUCE TOXIC RESIDUES TO A NONHAZARDOUS LEVEL. A TABLE IS INCLUDED WHICH LISTS THE MINIMUM TIME INTERVAL NECESSARY FOR 69 TOXIC SUBSTANCES USED ON VARIOUS TYPES OF CROPS. (OFFICIAL TEXT IS IN SLUZBENI LIST SFR JUGOSLAVIJE, AUG 20, 1970, NO. 36, PAGE 1028).

EUR
YUGOSLAVIA
LR(B)

"MARCH 15, 1973 REGULATIONS CONCERNING THE MAXIMUM PERMISSIBLE QUANTITIES OF PESTICIDES IN FOODSTUFFS." INT. DIG. HLTH. LEG., VOL. 25, NO. 1
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/74 PGS 265-266 ID# 02314A
PESTICIDES

THESE REGULATIONS, ISSUED BY THE FEDERAL SECRETARY FOR LABOR AND SOCIAL POLICY OF YUGOSLAVIA, WERE MADE IN PURSUANCE OF THE LAW ON THE WHOLESOMENESS OF FOODSTUFFS AND REPEAL REGULATIONS OF DECEMBER 23, 1968 ON THE SAME SUBJECT. THESE REGULATIONS DEFINE THE TERM "PESTICIDES" AND LIST THE TYPES OF FOODSTUFFS UNDER CONTROL. ANY DESIGNATED FOODSTUFFS MAY BE MARKETED ONLY IF THE PESTICIDE RESIDUES WHICH THEY CONTAIN DO NOT EXCEED LIMITS SET FORTH IN THE "TABLE OF MAXIMUM PERMISSIBLE QUANTITIES OF PESTICIDES IN FOODSTUFFS" WHICH IS APPENDED TO THE TEXT OF THE REGULATIONS. THE REGULATIONS ALSO PROVIDE GUIDELINES TO CONTROL PESTICIDE CONTAMINATION OF OTHER FOODSTUFFS WHICH ARE NOT SPECIFICALLY DESIGNATED IN THE ABOVE MENTIONED TABLE.

YUGOSLAVIA
LR(A)

"MARCH 10, 1958 RESOLUTION ON THE FEDERAL NUCLEAR ENERGY COMMISSION." INT. DIG. HLTH. LEG., V. 10
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/59 PGS 708 ID# 01428A
RADIATION

THIS RESOLUTION, ISSUED BY THE FEDERAL EXECUTIVE COUNCIL, AUTHORIZES A FEDERAL NUCLEAR ENERGY COMMISSION TO MAKE REGULATIONS ON RESTRICTIONS IN TRADE OF RADIOACTIVE ISOTOPES AND TO ESTABLISH MEASURES TO PROTECT LIFE, HEALTH AND PROPERTY OF THE POPULATION AGAINST IONIZING RADIATION. (OFFICIAL TEXT IS IN SLUZBENI LIST FED. NARODNE REP. JUGOSLAVIJE, APRIL 16, 1958, NO. 15, PAGE 85).

YUGOSLAVIA
LR(A)

"MARCH 15, 1965 BASIC LAW ON PROTECTION AGAINST IONIZING RADIATION." INT. DIG. HLTH. LEG., V. 17
WORLD HEALTH ORGANIZATION, COMP. EPA
ENGLISH 00/00/66 PGS 159-169 ID# 01429A
RADIATION WATER AIR SOLID WASTE

THIS LAW AUTHORIZES THE FEDERAL SECRETARY FOR HEALTH AND SOCIAL AFFAIRS, IN AGREEMENT WITH THE FEDERAL NUCLEAR ENERGY COMMISSION, TO MONITOR AND REGULATE WORK WITH RADIATION SOURCES, ENTERPRISES IN WHICH RADIATION SOURCES ARE PRESENT, RADIOPROTECTION EQUIPMENT AND SERVICES, AND PRODUCTION DISTRIBUTION, STORAGE AND TRANSPORT OF RADIOACTIVE SUBSTANCES. THEY ARE RESPONSIBLE FOR MATTERS CONCERNING RADIOACTIVE CONTAMINATION OF THE AIR, SOIL, WATER, FOOD CHAIN, CROPS, DOMESTIC ANIMALS, WASTES AND OTHER OBJECTS, AS WELL AS INDIVIDUALS OR THE POPULATION AS A WHOLE WHEN EXPOSED TO IONIZING RADIATION. REGULATED SOURCES OF RADIATION INCLUDE RADIOACTIVE ORES, NATURAL AND ARTIFICIAL RADIOISOTOPES, RADIOACTIVE WASTES AND DEVICES PRODUCING IONIZING RADIATION. THE SECRETARY AND THE COMMISSION ARE TO SET RADIOPROTECTION STANDARDS, ESTABLISH MAXIMUM PERMISSIBLE DOSES, PROMOTE RESEARCH ON HAZARDS TO POPULATION AND ENVIRONMENT, AND PROVIDE FOR DISPOSAL OF CERTAIN WASTES. (OFFICIAL TEXT IN SLUZBENI LIST SFR JUGOSLAVIJE, MARCH 24, 1965, NO. 12, P. 449).

EUR
YUGOSLAVIA
LR(A)

"OCT. 9, 1969 REGULATIONS ON PROCEDURES AND CONDITIONS OF DISPOSAL AND STORAGE OF RADIOACTIVE WASTES." INT. DIG. HLTH. LEG., V. 23
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/72 PGS 185-187 EPA ID# 014298
RADIATION AIR WATER

ACCORDING TO THESE REGULATIONS, ISSUED BY THE FEDERAL SECRETARY FOR HEALTH AND SOCIAL AFFAIRS, PERSONS ENGAGING IN COLLECTION, REMOVAL, TREATMENT AND DISPOSAL OF RADIOACTIVE WASTES MUST BE LICENSED BY REPUBLIC HEALTH INSPECTION AUTHORITIES. RADIOACTIVE WASTE IS DEFINED ACCORDING TO STANDARDS OF THE INTERNATIONAL COMMISSION ON RADIOLOGICAL PROTECTION AND THE INTERNATIONAL ATOMIC ENERGY AGENCY. DETAILED TECHNICAL PROCEDURES ARE ESTABLISHED TO PROTECT THE PUBLIC HEALTH AND THE ENVIRONMENT AGAINST CONTAMINATION RESULTING FROM DISPOSAL OF SOLID AND LIQUID RADIOACTIVE WASTES. ESTABLISHMENTS WHICH EMIT GASEOUS RADIOACTIVE WASTES INTO THE ATMOSPHERE MUST PROVIDE PURIFICATION FACILITIES AND MONITOR LEVEL OF RADIOACTIVE CONTAMINATION OF THE ENVIRONMENT IN ITS VICINITY TO ENSURE THAT MAXIMUM PERMISSIBLE CONCENTRATIONS ARE NOT EXCEEDED. (OFFICIAL TEXT IS IN SLUZBENI LIST SFR JUGOSLAVIJE, JAN. 8, 1970, NO. 1, PAGES 18-21).

YUGOSLAVIA
LR(A)

"NOV. 6, 1969 REGULATIONS ON TRANSPORT OF RADIOACTIVE MATERIALS WITH ACTIVITY EXCEEDING THE SPECIFIED LIMIT." INT. DIG. HLTH. LEG., V. 23
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/72 PGS 189-190 EPA ID# 01429C
RADIATION

THESE REGULATIONS, ISSUED BY THE FEDERAL COUNCIL FOR HEALTH AND SOCIAL AFFAIRS, ESTABLISH PROCEDURES ON LICENSING AND INSPECTION FOR TRANSPORT OF CONTROLLED RADIOACTIVE MATERIALS. THESE MATERIALS MUST BE PACKAGED FOR TRANSPORT UNDER SUPERVISION OF PERSONS AUTHORIZED TO CERTIFY SAFETY MEASURES. PACKAGING, LABELLING, STORAGE AND OTHER MATTERS RELATED TO TRANSPORT ARE SUBJECT TO CONDITIONS IN THESE REGULATIONS AND TO PROVISIONS OF "EUROPEAN AGREEMENT CONCERNING INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD." TRANSPORT BY WATERWAY, POSTAL SERVICE OR AIRCRAFT IS SUBJECT TO STANDARDS SET BY THE INTERNATIONAL ATOMIC ENERGY AGENCY. LICENSES FOR INTERNAL TRANSPORT OF RADIOACTIVE MATERIALS ARE ISSUED BY REPUBLIC HEALTH INSPECTION AUTHORITIES. AN APPROPRIATE FEDERAL AGENCY LICENSES INTERNATIONAL TRANSPORT. HEALTH AUTHORITIES MAY INSPECT PACKAGES IN TRANSIT AT THEIR DISCRETION AND REMOVE FAULTY ONES TO PROPER DISPOSAL SITE. (OFFICIAL TEXT IS IN SLUZBENI LIST SFR JUGOSLAVIJE, JAN. 8, 1970, NO. 1, PAGES 21-23).

EUR
YUGOSLAVIA
LR(B)

RIVERS AND LAKES ARE AT ONCE EVERYONES AND NO ONES. POLITIKA

SERBO-CROATIAN 07/03/72 PGS 21 EPA ID# 00283A
WATER

THE ARTICLE DISCUSSES, IN GENERAL, THE DRAFT OF A NEW WATER LAW PREPARED BY THE JAROSLAV CERNI INSTITUTE IN BELGRADE FOR THE SOCIALIST REPUBLIC OF SERBIA. IT CONCERNS THE POSITION AND STATUS OF WATER ECONOMY IN THE GENERAL SYSTEM, ORGANIZATION AND REGULATION, CONSTRUCTIONS, AND OTHER ASPECTS OF THE PROBLEM OF WATER PROTECTION. IT ALSO PROPOSES A SECRETARIAT OF WATER ECONOMY WHICH WOULD APPLY THE LAWS AND STANDARDS.

YUGOSLAVIA
LR(A)

"OCT. 7, 1960 REGULATIONS ON SANITARY MEASURES FOR PROTECTION OF DRINKING WATER." INT. DIG. HLTH. LEG., V. 12
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/61 PGS 640-645 EPA ID# 01423A
WATER RADIATION SOLID WASTE

THESE REGULATIONS ESTABLISH TECHNICAL REQUIREMENTS ON QUALITY OF WATER USED FOR DOMESTIC SUPPLY, INCLUDING BACTERIOLOGICAL CONDITIONS, LEVEL OF RADIOACTIVITY, MAXIMUM CHEMICAL AND MINERAL CONCENTRATIONS, PH LEVEL AND TURBIDITY. IN ARTICLE 7, THE NECESSITY TO CONTROL POLLUTION OF DRINKING WATER SOURCE IS RECOGNIZED. ESTABLISHMENTS ENGAGED IN SUPPLY OF DRINKING WATER ARE AUTHORIZED TO INVESTIGATE SOURCES OF POLLUTION AND IMPLEMENT REMEDIAL MEASURES SUCH AS REMOVAL OF REFUSE DUMPS, TOILETS OR ANIMAL PENS AFFECTING THE WATER SOURCE. MEASURES TO MAINTAIN SANITARY QUALITY OF THE WATER ARE TO BE ESTABLISHED IN AGREEMENT WITH SANITARY INSPECTION AUTHORITIES. INSTALLATIONS INVOLVED IN SUPPLY OF DRINKING WATER MUST BE MAINTAINED SO AS NOT TO CAUSE POLLUTION (ARTICLE 9). (OFFICIAL TEXT IS IN SLUZBENI LIST FED. NARODNE REP. JUGOSLAVIJE, NOV. 2, 1960 PAGES 795-798.

YUGOSLAVIA
LR(A)

"MARCH 15, 1965 BASIC WATER LAW." INT. DIG. HLTH. LEG., V. 17
WORLD HEALTH ORGANIZATION, COMP.
ENGLISH 00/00/66 PGS 171-172 EPA ID# 01424A
WATER

THIS LAW ESTABLISHES AUTHORITY TO CONTROL POLLUTION OF WATERS BY SUBSTANCES WHICH ARE DANGEROUS TO HEALTH OR ARE LIABLE TO CAUSE CHANGES IN THE PHYSICAL, CHEMICAL OR BIOLOGICAL PROPERTIES OF WATER RESOURCES. IT IS FORBIDDEN TO INTRODUCE INTO THE WATER ANY SUBSTANCE IN SUCH A QUANTITY AS TO THREATEN LIFE AND HEALTH OF MAN, FISH OR CATTLE. THE FEDERAL SECRETARY OF HEALTH AND SOCIAL AFFAIRS IS RESPONSIBLE FOR DETERMINING WHICH SUBSTANCES ARE DANGEROUS AND ESTABLISHING HAZARDOUS CONCENTRATIONS. THE SANITARY INSPECTORATE IS EMPOWERED TO IMPLEMENT NECESSARY PROTECTION MEASURES BY SPECIAL REGULATIONS. IN ORDER TO PREVENT POLLUTION OF WATERS BY SUBSTANCES LIABLE TO CAUSE DETERIORATION OF WATER QUALITY TO THE EXTENT THAT ITS USE BECOMES RESTRICTED OR IMPOSSIBLE, THE WATER RESOURCES AGENCY IS EMPOWERED TO RESTRICT OR PROHIBIT DISCHARGE OF EFFLUENTS, AND TO REQUIRE CONSTRUCTION OF PURIFICATION FACILITIES AND APPARATUS TO REDUCE QUANTITY OF EFFLUENTS. (OFFICIAL TEXT IN SLUZBENI LIST SFR JUGOSLAVIJE, MARCH 31, 1965, NO. 13, PAGES518-529).

EUR
YUGOSLAVIA
LR(A)

"DEC. 24, 1965 REGULATIONS ON DANGEROUS SUBSTANCES NOT TO BE DISCHARGED INTO WATER." INT. DIG. HLTH. LEG., V. 17
WORLD HEALTH ORGANIZATION. COMP.
ENGLISH EPA
WATER RADIATION 00/00/66 PGS 995-998 ID# 01424B

THESE REGULATIONS, ISSUED BY THE FEDERAL SECRETARY FOR HEALTH AND SOCIAL AFFAIRS, ESTABLISH TECHNICAL SPECIFICATIONS ON MAXIMUM ALLOWABLE CHANGES IN WATER QUALITY WHICH MAY BE CAUSED BY DISCHARGE OF DANGEROUS SUBSTANCES INTO WATER USED FOR DRINKING SUPPLY, FOOD PROCESSING, FISH HATCHING, WATERING OF ANIMALS, OR PUBLIC BATHING. SPECIFICATIONS DEAL WITH SUBSTANCES WHICH MAY AFFECT WATER QUALITY BY PRODUCING AN OILY FILM OR LAYER OF WASTE MATTER ON THE SURFACE, OR BY ALTERING THE ODOR, TASTE, COLOR, TEMPERATURE, PH LEVEL, AMOUNT OF SUSPENDED MATTER, LEVEL OF RADIOACTIVITY, NUMBER OF PATHOGENIC ORGANISMS OR COLIFORM BACTERIA, LEVEL OF DISSOLVED OXYGEN, BIOCHEMICAL OXYGEN DEMAND, OR OLIGOSAPROBIC CHARACTERISTICS OF THE WATER. DISCHARGE OF FREE CHLORINE, TETRAETHYL LEAD OR HYDROGEN SULFIDE INTO ANY OF THESE WATERS IS PROHIBITED. MAXIMUM CONCENTRATIONS OF 66 DANGEROUS SUBSTANCES IN THESE WATERS ARE LISTED IN ARTICLE 3. (OFFICIAL TEXT IN SLUZBENI LIST SFR JUGOSLAVIJE, JAN. 19, 1966, NO. 3, PAGES 61-63).

YUGOSLAVIA
LR(A)

"DEC. 28, 1973 DECREE PROMULGATING THE LAW ON INTERREPUBLIC AND INTERNATIONAL WATERS." SLUZBENI LIST SOCIJALISTICKE FEDERATIVNE REPUBLIKE JUGOSLAVIJE, VOL. 30, NO. 2
SERBO-CROATIAN EPA
ENGLISH SUMMARY ATTACHED 01/10/74 PGS 10-13 ID# 01424C
WATER

THIS DECREE ESTABLISHES THE PRINCIPLES GOVERNING THE MANAGEMENT OF INTERREPUBLIC WATERCOURSES AND INTERNATIONAL WATERS. PROVISIONS LIKEWISE APPLY TO THE MARITIME COASTAL WATERS OF YUGOSLAVIA IN RESPECT TO THEIR PROTECTION AGAINST POLLUTION. A WATER USE PERMIT IS MADE MANDATORY FOR THE USE OF WATERS AND FOR THE DISCHARGE OF EFFLUENTS AND SUBSTANCES LIABLE TO POLLUTE THEM. A CLASSIFICATION OF INTERREPUBLIC AND INTERNATIONAL WATERS IS TO BE ESTABLISHED BY THE FEDERAL EXECUTIVE COUNCIL ON THE BASIS OF THE PURPOSES FOR WHICH THE WATERS ARE INTENDED. THE FEDERAL EXECUTIVE COUNCIL IS ALSO RESPONSIBLE FOR DESIGNATING THE DANGEROUS SUBSTANCES TO BE PROSCRIBED FROM INTRODUCTION INTO THE WATERS. FURTHER PROVISIONS DEAL WITH THE ADOPTION OF MEASURES TO REDUCE POLLUTION, AND WITH RESTRICTIONS APPLICABLE TO SHIPS AND FLOATING INSTALLATIONS. THE FEDERAL HYDROMETEOROLOGICAL INSTITUTE IS ENTRUSTED WITH SURVEILLANCE AND MONITORING. THIS DECREE REPEALS CERTAIN PROVISIONS OF THE 1965 BASIC WATER LAW.

EUR
YUGOSLAVIA
PM(B)

"SERIES ON THE SYMPOSIUM FOR THE PRESERVATION OF THE TARA RIVER AND ITS CANYON,"
POLITIKA
PUSONJIC, B.
SERBO-CROATIAN 07/29/72 PGS 9,7,9,7 EPA ID# 00282A
ALSO 09/13,18,22
WATER

THE SERIES OF ARTICLES DEALS WITH THE SYMPOSIUM FOR THE PRESERVATION OF THE TARA RIVER AND ITS CANYON, HELD 15,16 SEPTEMBER 1972 IN ZABLJAK. ATTENDING WERE RESPRESENTATIVES OF ALL INTERESTED GROUPS, INCLUDING GOVERNMENT, BUSINESS, CONSERVATIONISTS, ETC. THE TARA RIVER IS OF PARTICULAR IMPORTANCE SINCE IT IS RECOGNIZED AS THE MOST TYPICAL CANYON IN THE WORLD, AFTER THAT OF THE COLORADO RIVER. THE PRINCIPAL PROBLEMS INVOLVED WERE PLANS FOR CONSTRUCTION OF HYDROELECTRIC INSTALLATIONS ON THE SWIFT STREAM AND THE DUMPING OF WASTES FROM THE MOJKOVAC MINE. RESULTS OF THE SYMPOSIUM WERE A CONCERTED INTENTION TO PRESERVE THE RIVER AND THE ESTABLISHMENT OF A CONTRIBUTION FUND FOR THE EFFORT.

YUGOSLAVIA
PM(B)

"DEAD FISH IN THE 'RESORT ZONE'," POLITIKA
KOVACEVIC, R.
SERBO-CROATIAN 06/30/72 PGS 9 EPA ID# 00284A
WATER

YUGOSLAVIA IS FINDING THAT THE PROBLEM OF SEA POLLUTION BY DUMPS OF OIL AND FUEL OIL FROM TANKERS ON RUNS UP THE ADRIATIC IS REACHING MAJOR PROPORTIONS. THIS IS COMPLICATED BY INDUSTRIAL WASTES, ESPECIALLY FROM THE SPLIT AREA.

TH CITY OF KOPAR HAS DECIDED TO BUY A 500-TON BOAT WHICH WILL COLLECT AND PURIFY THE DUMPED OIL. THE RIJEKA AND BAKAR PORTS HAVE ALSO BUILT EQUIPMENT FOR GATHERING THE POLLUTANTS. HOWEVER, THE MAJOR PORTS OF SPLIT, PLOCA AND BAR HAVE DONE NOTHING.

YUGOSLAVIA HAS SIGNED AN INTERNATIONAL CONVENTION FOR PROTECTION OF THE SEA FROM OIL POLLUTION, BUT IT HAS NOT YET BEEN RATIFIED. THE CONVENTION WOULD CALL FOR PORTS TO HAVE SPECIFIC AREAS FOR BOATS TO JETTISON CONTAMINANTS WHERE THEY COULD BE DEALT WITH PROPERLY.

YUGOSLAVIA
SE( )

"DANGER COMES FROM THE AIR," POLITIKA
MISIC, A.
SERBO-CROATIAN 07/09/72 PGS 9 EPA ID# 00264A
AIR

AS AN ARGUMENT FOR A GENERAL LAW CONCERNING AIR POLLUTION, SEVERAL HEALTH PROBLEMS ARE PRESENTED WHICH SEEM TO STEM FROM CONTAMINATED AIR: BRONCHIAL ASTHMA, ARTERIOSCLEROSIS, LUNG CANCER, AND DECLINE IN BODY WEIGHT. STUDIES WERE DONE IN SEVERAL CITIES OF SERBIA ON THE INCIDENCE OF ASTHMA AND LUNG CANCER, AND THE RESULTS ARE GIVEN. THERE ARE ALSO MEASUREMENTS GIVEN OF AIR POLLUTION IN A NUMBER OF CITIES.

EUR
YUGOSLAVIA
ST( )

"THE CRISIS IN HUMAN ENVIRONMENT," POLITIKA
V. PETROVIC
SERBO-CROATIAN 06/27/72 PGS 7.5.9 EPA ID# 00285A
ALSO 06/25 & 06/26
WATER AIR PESTICIDES

THIS SERIES OF ARTICLES DEALS WITH 3 PHASES OF THE ENVIRON. CRISIS IN YUGO.: WATER, AIR AND POLLUT./DESTRUCTION OF THE SOIL BY CHEMICALS & PESTICIDES. IN EACH INSTALLMENT VARIOUS DETAILS OF THE CRISIS ARE DISCUSSED. IN THE 1ST IT IS STATED THAT THE ADRIATIC IS IN DANGER OF DYING WITHIN 25 YRS. & THAT THERE IS NO LONGER ANY LIFE IN THE MURA, SAVA, SAVINJA, BOSNA, BORSKA REKA, RESAVA & PART OF THE LIMA RIVERS. IN THE 2ND, BESIDES DISCUSSING THE EFFECT OF THE INTERNAL COMBUSTION ENGINE ON THE AIR, IT IS POINTED OUT THAT: LEAD IN EXHAUSTS AT KOSOVO MITROVICA HAS APPARENTLY CAUSED STERILITY IN WOMEN, TOTAL DEARTH OF WILDBIRDS, ETC.: SO2 HAS KILLED 22,000 HA OF FOREST NEAR BOR & CAUSED 600 HA OF WHEAT NEAR SAPAC NOT TO BEAR; & THE CO SITUATION IN BELGRADE, SPLIT & ZAGREB IS CRITICAL. THE 3RD HAS TO DO WITH INCREASED PRODUCTION OF CHEMICALS & PESTICIDES WHICH HAVE CAUSED THE DENUDATION OF 1,636,000 HA & THE DEGRADATION OF 1,700,000 HA. THIS LATTER LEADS TO INCREASED EROSION WHICH CHANGES GROUND WATER LEVELS & CONSEQUENTLY ENDANGERS MORE FOREST AREAS.

EUROPE : HUNGARY - YUGOSLAVIA

Abstracts are indexed according to the following subject headings, which reflect the major EPA program areas: GENERAL, AIR, LAND USE, NOISE, PESTICIDES, RADIATION, SOLID WASTE, TOXIC SUBSTANCES, WATER. Most abstracts are listed under only one subject heading; however, those abstracts to which more than one subject designation have been assigned are indexed under those additional headings as well.

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SPAIN: 01125A,B,C (97-98); 01126A (98); 01127A (98); 01128A (99); 01129A (99); 01130A (99); 01131A (100); 01133A,C,D,E,F (100-102); 01044A (102); 01159A (103); 01146A,B,C,D (110-111); 01133B (117); 01134A (117); 00775A (120); 01160A (120)

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YUGOSLAVIA: 00331A (279); 01422A,B (279); 01429A,B (282-283); 00264A (286); 00285A (287)

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NORWAY: 01452A (66); 01018A (73)

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SPAIN: 01125A,B,C (97-98); 01130A (99); 01131A (100); 01044A (102); 01159A (103); 01135A (104); 01136A (104); 01146C,D (111); 01134A (117); 00775A (120)

SWEDEN: 00129A (123); 01451A (124); 00111A (125); 00905A (125); 02760A (131); 00110A (132); 01975A (133); 02799A (134); 03030A (135); 03042A (136); 03329A (137); 03255A (140); 01866A (143); 01915A (144); 02691A (145); 00936A (149); 02747A (150); 02792A (150); 03031A (151); 02795A (155); 00130A (168)

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PORTUGAL: 01120A (86); 01121A,B,C (87)

ROMANIA: 01371A (90); 01372A (93); 01373A (93); 02619A (96)

SPAIN: 01125A,B,C (97-98); 01130A (99); 01131A (100); 01159A (103); 01136A (104); 01139A,B (105-106); 01134A (117); 02860A (118)

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ITALY: 03324A (18); 00835A (22); 00836A (23)

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LUXEMBURG: 01402A (34); 03329A (35)

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PORTUGAL: 01122A (88)

ROMANIA: 01371A (90)

SPAIN: 01125A,B,C (97-98); 01130A (99); 01131A (100); 01044A (102); 01159A (103); 01142B (108); 01146A,B,C,D (110-111); 01154A (115); 01134A (117); 02576A (117)

SOLID WASTE

SWEDEN: 01451A (124); 00816A,B (126-127); 00819A (127); 00820A (127); 02761A (128); 03452A (128); 02799A (134); 03042A (136); 00974A (142); 01866A (143); 01878A (144); 00113A (152); 02688A (152); 02843A (153); 02865A (153); 03029A (154); 02795A (155); 00130A (168)

SWITZERLAND: 01317A (178); 03358A (185); 00362A (197); 02349A (204); 02389A (205); 00207A (209); 03279A (209); 00213A (210); 03291A (215)

USSR: 01484A (217); 01485A,B (218); 01486B (219); 01491A (226); 01492A,B,C,D (227-228); 01475E (236); 01476B (238); 01482A (240); 02502A (255); 02550A (256)

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ITALY: 03324A (18)

LUXEMBURG: 03329A (35)

NETHERLANDS: 03326A (45); 03285A (65)

SWEDEN: 02699A (129); 02877A (171); 02880A (171); 02883A (171); 02885A (172); 02887A (172); 02881A (173);

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USSR: 02986A (228); 02992A (228); 03020A (229); 03034A (229); 03049A (230); 03051A (230); 02716A (244)

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* U. S. GOVERNMENT PRINTING OFFICE : 1977--240-548/8